

Product name	LigaGrass 238 10/8
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Application	Performance
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Description	Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, with texturized curling, single extrusion uncut, without fibrillation
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Yarn data	SI unit	Norm
Materials	100 % Polytan PE	
Number of filaments	4	
Thickness app.	200 µm	
Weight app.	8000 dtex	

Construction data		
Pile height app.	38 mm	
Machine gauge	3/8 "	
Stitch density app.	100 /m	
Number of stitches app.	10500 /m ²	
Number of filaments app.	84000 /m ²	
Yarn weight app.	730 g/m ²	

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	31 mm
Coating weight	1000 g/m ²
Total weight	1950 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance	Details for maintenance see Polytan maintenance brochure
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	LigaGrass 238 10/8
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Application	Performance
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	25 mm	in-situ, on engineered base
	Polytan TE min.	35 mm	in-situ, on dynamic base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
Turf infill-upper	Rubber granules SBR, RPU, EPDM, BionPro		

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Certificates	DIN V 18035-7
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Product name LigaGrass 250 14/8 D

Application Performance / Indoor

Description Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, with texturized curling, single extrusion uncut, without fibrillation; secondary backing

Yarn data	SI unit	Norm
Materials	100% Polytan PE	
Number of filaments	4	
Thickness app.	200 µm	
Weight app.	8000 dtex	

Construction data	
Pile height app.	50 mm
Machine gauge	3/8 "
Stitch density app.	140 /m
Number of stitches app.	14700 /m ²
Number of filaments app.	117600 /m ²
Yarn weight app.	1220 g/m ²

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Secondary backing 2	
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	52 mm
Coating weight	1500 g/m ²
Total weight	3030 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer

Maintenance Details for maintenance see Polytan maintenance brochure

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (January 2010)

Technical Data Sheet



Additional information

Product name	LigaGrass 250 14/8 D
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Application	Performance / Indoor
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	850 N	
Tensile strength longitudinal MD app.	1000 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min. -	mm	in-situ, on engineered base
	Polytan TE min. -	mm	in-situ, on dynamic base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
Turf infill-upper	Rubber granules SBR, RPU, EPDM, BionPro		

Installation data	
Carpet installation	floating
Seals	glued with Polytan wet-adhesive or two component-adhesive

Certificates	-
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (January 2010)

Technical Data Sheet



Product name LigaGrass 265 16/4

Application **Performance**

Description Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, with texturized curling, single extrusion uncut, without fibrillation

Yarn data	SI unit	Norm
Materials	100 % Polytan PE	
Number of filaments	4	
Thickness app.	200 µm	
Weight app.	8000 dtex	

Construction data	
Pile height app.	65 mm
Machine gauge	3/4 "
Stitch density app.	160 /m
Number of stitches app.	8400 /m ²
Number of filaments app.	67200 /m ²
Yarn weight app.	920 g/m ²

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technolgy	Tufting velours, zig - zag
Maximum width	4 and 5 m
Maximum length	depending on installation width
Total height	51 mm
Coating weight	1000 g/m ²
Total weight	2140 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance Details for maintenance see Polytan maintenance brochure

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	LigaGrass 265 16/4
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Application	Performance
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min. -	mm	in-situ, on engineered base
Turf infill-base	Sand hydro classified, clean dried silica sand		
Turf infill-upper	Diameter round app.	0,3 - 0,8 mm	
	Rubber granules SBR, RPU, EPDM, BionPro		

Installation data	
Carpet installation	floating
Seals	glued with Polytan wet-adhesive or two component-adhesive

Certificates	-
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Product name LigaTurf RS+240 16/4

Application Professional

Description Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, straight without curling, single extrusion uncut, without fibrillation

Yarn data	SI unit	Norm
Materials	100 % Polytan PE	
Number of filaments	6	
Thickness app.	360 µm	
Weight app.	13000 dtex	

Construction data	
Pile height app.	40 mm
Machine gauge	3/4 "
Stitch density app.	160 /m
Number of stitches app.	8400 /m ²
Number of filaments app.	100800 /m ²
Yarn weight app.	980 g/m ²

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technolgy	Tufting velours, zig - zag
Maximum width	4 and 5 m
Maximum length	depending on installation width
Total height	42 mm
Coating weight	1000 g/m ²
Total weight	2200 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance Details for maintenance see Polytan maintenance brochure

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	LigaTurf RS+240 16/4
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Application	Professional
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	25 mm	in-situ, on engineered base
	Polytan TE min.	35 mm	in-situ, on dynamic base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
	Sand filling app.	18-20 kg/m ²	Laboratory data
Turf infill-upper	Granules SBR (0,5 - 2,0) app.	5 kg/m ²	Laboratory data
	Granules RPU (0,5 - 1,5) app.	6 kg/m ²	Laboratory data
	Granules Bion Pro (0,5 - 2,0) app.	5-6 kg/m ²	Laboratory data
	Granules Bion Pro (0,5 - 1,2) app.	4-5 kg/m ²	Laboratory data

Installation data	
Carpet installation	floating
Seals	glued with Polytan wet-adhesive or two component-adhesive

Certificates	DIN V 18035-7;
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Product name LigaTurf RS+265 18/4

Application Professional

Description Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, straight without curling, single extrusion uncut, without fibrillation

Yarn data	SI unit	Norm
Materials	100 % Polytan PE	
Number of filaments	6	
Thickness app.	360 µm	
Weight app.	13000 dtex	

Construction data	
Pile height app.	65 mm
Machine gauge	3/4 "
Stitch density app.	180 /m
Number of stitches app.	9450 /m ²
Number of filaments app.	113400 /m ²
Yarn weight app.	1780 g/m ²

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	67 mm
Coating weight	1000 g/m ²
Total weight	3000 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance Details for maintenance see Polytan maintenance brochure

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	LigaTurf RS+265 18/4
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Application	Professional
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	mm	in-situ, on engineered base
	Polytan TE min.	mm	in-situ, on dynamic base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
	Sand filling app.	13 kg/m ²	Laboratory data
Turf infill-upper	Granules SBR (0,5 - 2,0) app.	17 kg/m ²	Laboratory data
	Granules RPU (0,5 - 1,5) app.	0 kg/m ²	Laboratory data
	Granules Bion Pro (0,5 - 2,0) app.	kg/m ²	Laboratory data
	Granules Bion Pro (0,5 - 1,2) app.	kg/m ²	Laboratory data

Installation data	
Carpet installation	floating
Seals	glued with Polytan wet-adhesive or two component-adhesive

Certificates	EN 15330-1; FIFA 2 Star Accreditation
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Product name	MonoSlide 240 16/4
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Application	Basic
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Description	Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan Polyolefin formulation, straight without curling, single extrusion uncut, without fibrillation
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Yarn data	SI unit	Norm
Materials	100 % Polytan Polyolefin	
Number of filaments	6	
Thickness app.	160 µm	
Weight app.	9000 dtex	

Construction data		
Pile height app.	40 mm	
Machine gauge	3/4 "	
Stitch density app.	160 /m	
Number of stitches app.	8400 /m ²	
Number of filaments app.	100800 /m ²	
Yarn weight app.	690 g/m ²	

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	42 mm
Coating weight	1000 g/m ²
Total weight	1910 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance	Details for maintenance see Polytan maintenance brochure
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	MonoSlide 240 16/4
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Application	Basic
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	25 mm	in-situ, on engineered base
	Polytan TE min.	0 mm	
Turf infill-base	Sand hydro classified, clean dried silica sand		in-situ, on dynamic base
	Diameter round app.	0,3 - 0,8 mm	
Turf infill-upper	Rubber granules SBR, RPU, EPDM, BionPro		

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Certificates	DIN V 18035-7
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2008)

Technical Data Sheet



Product name **MonoSlide 240 18/4**

Application **Basic**

Description **Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan Polyolefin formulation, straight without curling, single extrusion uncut, without fibrillation**

Yarn data	SI unit	Norm
Materials	100 % Polytan Polyolefin	
Number of filaments	6	
Thickness app.	160 µm	
Weight app.	9000 dtex	

Construction data		
Pile height app.	40 mm	
Machine gauge	3/4 "	
Stitch density app.	180 /m	
Number of stitches app.	9450 /m ²	
Number of filaments app.	113400 /m ²	
Yarn weight app.	770 g/m ²	

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 and 5 m
Maximum length	depending on installation width
Total height	42 mm
Coating weight	1000 g/m ²
Total weight	1990 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance **Details for maintenance see Polytan maintenance brochure**

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	MonoSlide 240 18/4
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Application	Basic
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	25 mm	in-situ, on engineered base
	Polytan TE min.	0 mm	
Turf infill-base	Sand hydro classified, clean dried silica sand		in-situ, on dynamic base
	Diameter round app.	0,3 - 0,8 mm	
Turf infill-upper	Rubber granules SBR, RPU, EPDM, BionPro		

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Certificates	DIN V 18035-7
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2008)

Product name **MonoSlide 250 16/4**

Application **Basic**

Description **Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan Polyolefin formulation, straight without curling, single extrusion uncut, without fibrillation**

Yarn data	SI unit	Norm
Materials	100 % Polytan Polyolefin	
Number of filaments	6	
Thickness app.	160 µm	
Weight app.	9000 dtex	

Construction data		
Pile height app.	50 mm	
Machine gauge	3/4 "	
Stitch density app.	160 /m	
Number of stitches app.	8400 /m ²	
Number of filaments app.	100800 /m ²	
Yarn weight app.	820 g/m ²	

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	52 mm
Coating weight	1000 g/m ²
Total weight	2040 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance **Details for maintenance see Polytan maintenance brochure**

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	MonoSlide 250 16/4
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Application	Basic
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	15 mm	in-situ, on engineered base
	Polytan TE min.	mm	in-situ, on dynamic base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
Turf infill-upper	Rubber granules SBR, RPU, EPDM, BionPro		

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Certificates

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2008)

Product name	MonoSlide 250 18/4
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Application	Basic
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Description	Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan Polyolefin formulation, straight without curling, single extrusion uncut, without fibrillation
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Yarn data	SI unit	Norm
Materials	100 % Polytan Polyolefin	
Number of filaments	6	
Thickness app.	160 µm	
Weight app.	9000 dtex	

Construction data		
Pile height app.	50 mm	
Machine gauge	3/4 "	
Stitch density app.	180 /m	
Number of stitches app.	9450 /m ²	
Number of filaments app.	113400 /m ²	
Yarn weight app.	920 g/m ²	

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	52 mm
Coating weight	1000 g/m ²
Total weight	2140 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance	Details for maintenance see Polytan maintenance brochure
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	MonoSlide 250 18/4
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Application	Basic
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	15 mm	in-situ, on engineered base
	Polytan TE min.	mm	in-situ, on dynamic base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
Turf infill-upper	Rubber granules SBR, RPU, EPDM, BionPro		

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Certificates

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2008)

Product name	MonoSlide 260 16/4
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Application	Basic
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Description	Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan Polyolefin formulation, straight without curling, single extrusion uncut, without fibrillation
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Yarn data	SI unit	Norm
Materials	100 % Polytan Polyolefin	
Number of filaments	6	
Thickness app.	160 µm	
Weight app.	9000 dtex	

Construction data		
Pile height app.	60 mm	
Machine gauge	3/4 "	
Stitch density app.	160 /m	
Number of stitches app.	8400 /m ²	
Number of filaments app.	100800 /m ²	
Yarn weight app.	970 g/m ²	

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	62 mm
Coating weight	1000 g/m ²
Total weight	2190 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	

Maintenance	Details for maintenance see Polytan maintenance brochure
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	MonoSlide 260 16/4
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Application	Basic
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	mm	in-situ, on engineered base
	Polytan TE min.	mm	in-situ, on dynamic base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
Turf infill-upper	Rubber granules SBR, RPU, EPDM, BionPro		

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Certificates

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2008)

Product name	MonoSlide 260 18/4
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Application	Basic
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Description	Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan Polyolefin formulation, straight without curling, single extrusion uncut, without fibrillation
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Yarn data	SI unit	Norm
Materials	100 % Polytan Polyolefin	
Number of filaments	6	
Thickness app.	160 µm	
Weight app.	9000 dtex	

Construction data		
Pile height app.	60 mm	
Machine gauge	3/4 "	
Stitch density app.	180 /m	
Number of stitches app.	9450 /m ²	
Number of filaments app.	113400 /m ²	
Yarn weight app.	1100 g/m ²	

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	62 mm
Coating weight	1000 g/m ²
Total weight	2320 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	

Maintenance	Details for maintenance see Polytan maintenance brochure
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	MonoSlide 260 18/4
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Application	Basic
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	mm	in-situ, on engineered base
	Polytan TE min.	mm	in-situ, on dynamic base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
Turf infill-upper	Rubber granules BR, RPU, EPDM, BionPro		

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Certificates

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2008)

Product name Polytan MonoTex 233 12/8

Application **Performance**

Description Football turf with sandinfill; Polytan Monofilament; 100 % Polytan PE formulation, Polytan texturized, single extrusion uncut, without fibrillation

Yarn data	SI unit	Norm
Materials	100 % Polytan PE	
Number of filaments	6	
Thickness app.	160 µm	
Weight app.	8400 dtex	

Construction data		
Pile height app.	33 mm	
Machine gauge	3/8 "	
Stitch density app.	120 /m	
Number of stitches app.	12600 /m ²	
Number of filaments app.	151200 /m ²	
Yarn weight app.	810 g/m ²	

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technolgy	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	27 mm
Coating weight	1000 g/m ²
Total weight	2030 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan elastic layer in-situ

Maintenance Details for maintenance see Polytan maintenance brochure

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	Polytan MonoTex 233 12/8
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Application	Performance
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	45 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	25 mm	in-situ, on engineered base
	Polytan TE min.	35 mm	in-situ, on dynamic base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
	Sand filling app.	25 kg/m ²	Laboratory data

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Certificates	DIN V 18035-7
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2008)

Product name Polytan MonoTex 235 18/4

Application **Performance**

Description Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, Polytan texturized, single extrusion uncut, without fibrillation

Yarn data	SI unit	Norm
Materials	100 % Polytan PE	
Number of filaments	6	
Thickness app.	160 µm	
Weight app.	8400 dtex	

Construction data		
Pile height app.	35 mm	
Machine gauge	3/4 "	
Stitch density app.	180 /m	
Number of stitches app.	9450 /m ²	
Number of filaments app.	113400 /m ²	
Yarn weight app.	620 g/m ²	

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	28 mm
Coating weight	1000 g/m ²
Total weight	1840 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan elastic layer in-situ

Maintenance Details for maintenance see Polytan maintenance brochure

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	Polytan MonoTex 235 18/4
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Application	Performance
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	45 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	25 mm	in-situ, on engineered base
	Polytan TE min.	35 mm	
Turf infill-base	Sand hydro classified, clean dried silica sand		in-situ, on dynamic base
	Diameter round app.	0,3 - 0,8 mm	
Turf infill-upper	Rubber granules SBR, RPU, EPDM, BionPro		

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Certificates	DIN V 18035-7
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2008)

Product name Polytan MonoTex 235 18/4

Application **Performance**

Description Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, Polytan texturized, single extrusion uncut, without fibrillation

Yarn data	SI unit	Norm
Materials	100 % Polytan PE	
Number of filaments	6	
Thickness app.	160 µm	
Weight app.	8400 dtex	

Construction data		
Pile height app.	35 mm	
Machine gauge	3/4 "	
Stitch density app.	180 /m	
Number of stitches app.	9450 /m ²	
Number of filaments app.	113400 /m ²	
Yarn weight app.	620 g/m ²	

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	28 mm
Coating weight	1000 g/m ²
Total weight	1840 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan elastic layer in-situ

Maintenance Details for maintenance see Polytan maintenance brochure

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	Polytan MonoTex 235 18/4
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Application	Performance
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	45 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	25 mm	in-situ, on engineered base
	Polytan TE min.	35 mm	
Turf infill-base	Sand hydro classified, clean dried silica sand		in-situ, on dynamic base
	Diameter round app.	0,3 - 0,8 mm	
Turf infill-upper	Rubber granules SBR, RPU, EPDM, BionPro		

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Certificates	DIN V 18035-7
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2008)

Product name	Polytan MonoTurf 240 18/4
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Application	Performance
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Description	Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, straight without curling, single extrusion uncut, without fibrillation
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Yarn data	SI unit	Norm
Materials	100 % Polytan PE	
Number of filaments	4	
Thickness app.	200 µm	
Weight app.	8.000 dtex	

Construction data	
Pile height app.	40 mm
Machine gauge	3/4 "
Stitch density app.	180 /m
Number of stitches app.	9.450 /m ²
Number of filaments app.	75.600 /m ²
Yarn weight app.	670 g/m ²

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technolgy	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	42 mm
Coating weight	1.000 g/m ²
Total wheigt	1.890 g/m ²

Gernerall data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance	Details for maintenance see Polytan maintenance brochure
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2007)

Technical Data Sheet



Additional information

Product name	Polytan MonoTurf 240 18/4
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System design	Football turf according to DIN 18035 - 7 with sand-rubber infill and an insitu e-layer
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Fastness to weathering	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	25 mm	in-situ
	Polytan TE min.	35 mm	in-situ
Base layer	Sand hydro classified, dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
	Sand filling app.	15-18 kg/m ²	Laboratory data
Upper layer	Granules SBR (0,5 - 2,0) app.	5 kg/m ²	Laboratory data
	Granules RPU (0,5 - 1,5) app.	12 kg/m ²	Laboratory data
	Granules EPDM (0,5 - 2,0) app.	6-8 kg/m ²	Laboratory data
	Granules Bion Pro (0,5 - 2,0) app.	5-6 kg/m ²	Laboratory data
	Granules Bion Pro (0,5 - 1,2) app.	5 kg/m ²	Laboratory data

Installation data	
Carpet installation	floating
Seals	glued with Polytan wet-adhesive or two component-adhesive

Certificates	DIN V 18035-7
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2007)

Product name	MonoTurf 240 18/4
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Application	Performance
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Description	Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, straight without curling, single extrusion uncut, without fibrillation
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Yarn data	SI unit	Norm
Materials	100 % Polytan PE	
Number of filaments	4	
Thickness app.	200 µm	
Weight app.	8000 dtex	

Construction data	
Pile height app.	40 mm
Machine gauge	3/4 "
Stitch density app.	180 /m
Number of stitches app.	9450 /m ²
Number of filaments app.	75600 /m ²
Yarn weight app.	670 g/m ²

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Product data	
Production technology	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	42 mm
Coating weight	1000 g/m ²
Total weight	1890 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance	Details for maintenance see Polytan maintenance brochure
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Technical Data Sheet



Additional information

Product name	MonoTurf 240 18/4
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Application	Performance
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Weathering fastness	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	25 mm	in-situ, on engineered base
	Polytan TE min.	35 mm	in-situ, on dynamic base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
Turf infill-upper	Rubber granules SBR, RPU, EPDM, BionPro		

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Certificates	DIN V 18035-7
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2008)

Product name	Polytan MonoTurf 250 18/4
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Application	Performance
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Description	Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, straight without curling, single extrusion uncut, without fibrillation
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Yarn data	SI unit	Norm
Materials	100 % Polytan PE	
Number of filaments	4	
Thickness app.	200 µm	
Weight app.	8.000 dtex	

Construction data		
Pile height app.	50 mm	
Machine gauge	3/4 "	
Stitch density app.	180 /m	
Number of stitches app.	9.450 /m ²	
Number of filaments app.	75.600 /m ²	
Yarn weight app.	825 g/m ²	

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100 % PP stabilising fabric
Coating	Latex, antibakterial and antifungal, waterproof

Product data	
Production technolgy	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	52 mm
Coating weight	1.000 g/m ²
Total wheight	2.045 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance	Details for maintenance see Polytan maintenance brochure
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2007)

Technical Data Sheet



Additional information

Product name	Polytan MonoTurf 250 18/4
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System design	Football turf according to DIN 18035 - 7 with sand-rubber infill and an insitu e-layer
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Fastness to weathering	5 Grey scale	DIN 54002
Flammability	Class 1	

System design			
Elastic layer	Polytan EL min.	25 mm	in-situ
	Polytan TE min.	35 mm	in-situ
Base layer	Sand hydro classified, dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
	Sand filling app.	25 kg/m ²	Laboratory data
Upper layer	Granules SBR (0,5 - 2,0) app.	5 kg/m ²	Laboratory data
	Granules RPU (0,5 - 1,5) app.	6 kg/m ²	Laboratory data
	Granules EPDM (0,5 - 2,0) app.	6-8 kg/m ²	Laboratory data
	Granules Bion Pro (0,5 - 2,0) app.	5-6 kg/m ²	Laboratory data
	Granules Bion Pro (0,5 - 1,2) app.	5 kg/m ²	Laboratory data

Installation data	
Carpet installation	floating
Seals	glued with Polytan wet-adhesive or two component-adhesive

Certificates	DIN V 18035-7
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2007)

Product name	Polytan MonoTurf 260 18/4
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Application	Performance
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Description	Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, straight without curling, single extrusion uncut, without fibrillation
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Yarn data	SI unit	Norm
Materials	100 % Polytan PE	
Number of filaments	4	
Thickness app.	200 µm	
Weight app.	8.000 dtex	

Construction data	
Pile height app.	60 mm
Machine gauge	3/4 "
Stitch density app.	180 /m
Number of stitches app.	9.450 /m ²
Number of filaments app.	75.600 /m ²
Yarn weight app.	990 g/m ²

Backing construction	
Primary backing 1	100 % PP woven fabric, UV stabilised
Primary backing 2	100% PP stabilising fabric
Coating	Latex, antibakteral and antifungal, waterproof

Maximum width	4 m
Maximum length	depending on installation width
Total height	62 mm
Coating weight	1.000 g/m ²
Total weight	2.210 g/m ²

General data	
Turf colour	green
Line colour	white or yellow, other colours on request
Elastic layer	Polytan EL layer in-situ

Maintenance	Details for maintenance see Polytan maintenance brochure
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Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. We advise that the technical values regarding yarn thickness and dtex, as well as the weight, are approximate values and could vary due to technical reasons by +/- 10 %. (April 2007)

Technical Data Sheet



Additional information / without elastic layer

Product name	Polytan MonoTurf 260 18/4
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Application	Performance
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Quality data	SI unit	Norm
Water permeability according to DIN		DIN 18035-7
Tuft pull out force app.	40 N	
Tensile strength axial MD app.	800 N	
Tensile strength longitudinal MD app.	950 N	
Colour fastness	7 - 8 Blue scale	DIN EN ISO 4892-2
Fastness to weathering	5 Grey scale	DIN 54002
Flammability	Class 1	

System design		
Elastic layer	Polytan EL Polytan ET	
Base layer	Sand hydro classified, dried silica sand	
	Diameter round app.	0,3 - 0,8 mm
	Sand filling app.	15 kg/m ² Laboratory data
Upper layer	Granules SBR (0,5 - 2,0) app.	12 kg/m ² Laboratory data
	Granules RPU (0,5 - 1,5) app.	12 kg/m ² Laboratory data
	Granules EPDM (0,5 - 2,0) app.	15 kg/m ² Laboratory data

Installation data
Carpet installation floating
Seals glued with Polytan wet-adhesive or two component-adhesive

Total weight
Certificates DIN V 18035-7

Polytan artificial turf products exceed all technical values of the minimum requirements of the DIN V 18035/7. In order to maintain our surfaces to the highest and most up to date technical standard, we reserve the right to modify the product data. We indicate, that the technical values about yarn thickness and dtex, as well as the weights are approximate values and could vary due to technical reasons between +/- 10 %. (April 2007)