

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)

Product name	Polytan MonoTex 233 12/8
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Application	Performance
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Description	Football turf with sandinfill; Polytan Monofilament; 100 % Polytan PE formulation, Polytan texturized, single extrusion uncut, without fibrillation
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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 technology	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
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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	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	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 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)

Technical Data Sheet



Product name Polytan TerraGrass 220

Application Basic

Description Multiuse turf with sand 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.	150 µm	
Weight app.	8400 dtex	

Construction data		
Pile height app.	20 mm	
Machine gauge	3/8 "	
Stitch density app.	160 /m	
Number of stitches app.	16800 /m ²	
Number of filaments app.	201600 /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 technolgy	Tufting velours, zig - zag
Maximum width	4 m
Maximum length	depending on installation width
Total height	22 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

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 %. (October 2008)

Technical Data Sheet



Additional information

Product name	Polytan TerraGrass 220
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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.	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.	15 mm	in-situ, on engineered base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0,3 - 0,8 mm	
	Sand filling app.	28 kg/m ²	Laboratory data

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

Certificates

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 %. (October 2008)