

# Technical Data Sheet



Product name	<b>LigaGrass 265 16/4</b>
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Application	<b>Performance</b>
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Description	<b>Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation, with texturized curling, single extrusion uncut, without fibrillation</b>
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Yarn data	SI unit	Norm
<b>Materials</b>	100 % Polytan PE	
<b>Number of filaments</b>	4	
<b>Thickness app.</b>	200 µm	
<b>Weight app.</b>	8000 dtex	

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

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

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

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

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

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

Installation data	
<b>Carpet installation</b>	floating
<b>Seals</b>	glued with Polytan wet-adhesive or two component-adhesive

Certificates	-
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**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
<b>Materials</b>	100 % Polytan PE	
<b>Number of filaments</b>	6	
<b>Thickness app.</b>	360 µm	
<b>Weight app.</b>	13000 dtex	

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

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

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

General data	
<b>Turf colour</b>	green
<b>Line colour</b>	white or yellow, other colours on request
<b>Elastic layer</b>	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	<b>LigaTurf RS+265 18/4</b>
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Application	<b>Professional</b>
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Quality data	SI unit	Norm
<b>Water permeability</b> according to DIN		DIN 18035-7
<b>Tuft pull out force app.</b>	40 N	
<b>Tensile strength axial MD app.</b>	800 N	
<b>Tensile strength longitudinal MD app.</b>	950 N	
<b>Colour fastness</b>	7 - 8 Blue scale	DIN EN ISO 4892-2
<b>Weathering fastness</b>	5 Grey scale	DIN 54002
<b>Flammability</b>	Class 1	

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

Installation data	
<b>Carpet installation</b>	floating
<b>Seals</b>	glued with Polytan wet-adhesive or two component-adhesive

Certificates	<b>EN 15330-1; FIFA 2 Star Accreditation</b>
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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	<b>MonoSlide 260 16/4</b>
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Application	<b>Basic</b>
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Description	<b>Football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan Polyolefin formulation, straight without curling, single extrusion uncut, without fibrillation</b>
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Yarn data	SI unit	Norm
<b>Materials</b>	100 % Polytan Polyolefin	
<b>Number of filaments</b>	6	
<b>Thickness app.</b>	160 µm	
<b>Weight app.</b>	9000 dtex	

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

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

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

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

Maintenance	<b>Details for maintenance see Polytan maintenance brochure</b>
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# Technical Data Sheet



## Additional information

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

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

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

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

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

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

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

Maintenance	<b>Details for maintenance see Polytan maintenance brochure</b>
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# Technical Data Sheet



## Additional information

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

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

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

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

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

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

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

Maintenance	<b>Details for maintenance see Polytan maintenance brochure</b>
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# Technical Data Sheet



## Additional information / without elastic layer

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

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

Installation data
<b>Carpet installation</b> floating
<b>Seals</b> glued with Polytan wet-adhesive or two component-adhesive

<b>Total weight</b>
Certificates <b>DIN V 18035-7</b>

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