

Product name	<b>LigaGrass 238 14/8</b>
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Application	Performance
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Description	<b>3rd generation football turf with sand-rubber infill; Polytan Monofilament; 100 % Polytan PE formulation; Polytan texturing; single extrusion uncut, without fibrillation</b>
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Yarn data	SI unit
<b>Materials</b>	100% Polytan PE
<b>Filament/film</b>	Monofilament texturized
<b>Number of filaments</b>	4
<b>Thickness app.</b>	200 µm
<b>Average thickness app.</b>	190 µm
<b>Filament width app.</b>	1,2 mm
<b>Yarn fineness app.</b>	8000 dtex
<b>Cross section area app.</b>	200000 µm <sup>2</sup>

Construction data	
<b>Pile height stretched app.</b>	38 mm
<b>Machine gauge</b>	3/8 "
<b>Stitch density app.</b>	140 /m
<b>Number of tufts app.</b>	14700 /m <sup>2</sup>
<b>Number of filaments app.</b>	117600 /m <sup>2</sup>
<b>Fibre weight app.</b>	1050 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 support layer
<b>Coating</b>	Latex, antibacterial and antifungal, waterproof
<b>Coating weight app.</b>	1000 g/m <sup>2</sup>
<b>Perforation, hole spacing app.</b>	140 mm
<b>Perforation, hole diameter min.</b>	3 mm

Product data	
<b>Production technology</b>	Tufting velours
<b>Maximum width</b>	4 m
<b>Maximum length</b>	depending on installation width
<b>Thickness backing coated app.</b>	2 mm
<b>Total height app.</b>	33 mm
<b>Total weight app.</b>	2240 g/m <sup>2</sup>

General data	
<b>Turf colour</b>	oliv
<b>Line colour</b>	white or yellows, other colours on request
<b>Elastic layer</b>	Polytan ET/EL

Maintenance	<b>Details for maintenance see Polytan maintenance brochure</b>
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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. Slight color variations are determined to production. We advise that the technical values regarding yarn- and construction data as well as weight indications are approximate values and could vary due to technical reasons by +/- 10 %. (March 2014)

# Technical Data Sheet

## Additional information

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Application	Performance
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Quality data	SI unit
<b>Water permeability app.</b>	500
<b>Tuft bind app.</b>	40 N
<b>Tensile strength MD * &gt;</b>	15 N/mm
<b>Tensile strength MD * &gt;</b>	15 N/mm
<b>Colour fastness min.</b>	3 Grey scale

\*Rugby > 25 N/mm

System design			
Elastic layer	<b>Polytan ET min.</b>	35 mm	insitu
	<b>Polytan EL min.</b>	25 mm	insitu
Turf infill-base	<b>Sand</b>	hydro classified, clean dried silica sand	
	<b>Diameter round app.</b>	0.2 - 0.8 mm	
Turf infill-upper	<b>Rubber granules</b>	Bionic Fibre, EPDM ST, Smart Infill, RPU, SBR	

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

Certificates	-
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