

Description:

3rd generation football turf with sand-rubber infill; Monofilament with Entanglement technology, 100% PE formulation with Cool Plus function; Ecolour look; straight without curling; single extrusion uncut, without fibrillation

Yarn Data:

Type	100% PE		
Materials	LLDPE		
Filament/film	Monofilament Straight Wrapped		
Shape	Epsilon		
Number of filaments	6	Straight	
Thickness app.	282 µm		
Filament width ca.	1.35 mm		
Yarn Fineness app.	9000	dTEX	

Construction Data:

File height stretched app.	50	mm
Machine gauge	<u>"3/4"</u>	
Stitch density app.	130	M
Rows per 1m (width).	52.5	Line
Number of tufts app.	6825	/m ²
Number of filaments app.	81900	/m ²
Yarn weight app.	<u>716.3</u>	g/m ²

Backing Construction:

Backing	100% PP woven fabric fleeced, l 165 g/m ² , Black colour		
Coating	SBR Latex, antibacterial, antifungal and waterproof		
Coating weight app.	1100	g/m ²	
Perforation, hole spacing app.	140 mm	100 holes per sqm	
Perforation, hole diameter min.	"4-5"	mm	

Product Data

Maximum width	4.05 m		
Maximum length	depending on installation width		
Thickness backing coated app.	2 mm		
Total height app.	113.6923077	mm	
Total weight app.	1981.3	g/m ²	

General Data

Turf colour	Lime Green or Field Green (06 fill)		
Line colour	White		

Quality Data:

Water permeability app.	500 mm/h	50 Li min/m ²
Tuft bind app.	> 40 N	
Yarn Tensile Strength at peak	95 N	
Elongation at break	210	
Colour fastness min.	3 Grey scale	
UV-Stabilization:	-	

System Design

Turf Infill-Base	Sand hydro classified, clean dried silica sand		
Diameter Round app.	0.2 -0.8 mm		
Turf Infill-Upper	Rubber granules bionic Fibre, EPDMST, Smart infill RPU, SBR		

Installation data

Carpet installation	Floating Seam glued with wet-adhesive or two component -adhesive		
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