



# MGTURF SOCCER

## Technical Data



<b>PRODUCT SPECIFICATION</b>			
<b>Product Name</b>	MGTURF SOCCER	<b>Application</b>	Soccer
<b>Model</b>		<b>Roll Width</b>	4.0m/2.0m/3.75m
<b>Color</b>	Emerald-olive Bicolor	<b>Roll Length</b>	On request
<b>Accreditations and Testing</b>	FIFA Quality Concept, ASTM, EN, DIN, Trace, SGS		
<b>YARN CHARACTERISTICS</b>			
<b>Yarn 1</b>		<b>Yarn 2</b>	
<b>Structure</b>	Monofilament	<b>Structure</b>	N/A
<b>Composition (ISO 11357)</b>	PE	<b>Composition</b>	N/A
<b>Dtex (ASTM D1907)</b>	12000	<b>Dtex (ASTM D1577)</b>	N/A
<b>Tape Thickness (ASTM D3218)</b>	320µm	<b>Tape thickness (ASTM D3218)</b>	N/A
<b>Tape Width:</b>	1.45mm	<b>Tape Width</b>	N/A
<b>UV Effects (EN ISO 20105)</b>	Grey Scale 4-5, no visual change	<b>Yarn Breaking Strength (ASTM D2256)</b>	≥ 110 N
<b>Pill Burn Test (ASTM D2859)</b>	Pass	<b>Yarn Melt Point (ASTM D789)</b>	100°C
<b>CARPET CHARACTERISTICS</b>			
<b>TURF</b>			
<b>Pile Height (ISO 2549)</b>	50mm±1mm	<b>Gauge (ASTM D5793)</b>	5/8inch
<b>Number of Strands per Tuft</b>	6	<b>Stitches per 10cm</b>	14±1
<b>Stitches per m2 (ISO 1763)</b>	8820±100	<b>Total Yarn Weight (ISO 2549)</b>	1177g/sqm±10%
<b>BACKING</b>			
<b>Primary Backing</b>	100% UV Stabilized PP + Polyester Fiber + Mesh Scrim inlay		
<b>Weight (ASTM D5848)</b>	250g/sqm		
<b>Secondary Backing</b>	Latex		
<b>Weight (ASTM D5848)</b>	1150g/sqm±10%		
<b>Total Carpet Weight (ASTM D5848)</b>	2577g/sqm±10%		
<b>Carpet</b>			
<b>Carpet Tuft Withdrawal (EN 13744 &amp; ISO 4919)</b>	≥ 30N	<b>Water Permeability of Carpet (EN 12616)</b>	≥ 2000 mm/hr
<b>INFILL REQUIREMENTS</b>			
<b>Sand</b>			
<b>Particle Size Range</b>	0.5 – 1.0 mm	<b>Particle shape</b>	C2
<b>Bulk Density</b>	1510 Mg/cm3	<b>Application rate</b>	18-25 kg/m2 **
<b>SBR</b>			
<b>Particle size range</b>	0.5 – 2.5 mm	<b>Particle shape</b>	B3
<b>Bulk density</b>	480 Mg/cm3	<b>Application rate</b>	10-15 kg/m2

Note \*\*: Sand infills quantity is according to the pitch size. 18kg/m2 is for big FIFA Field. 25kg/m2 is for small field.

We reserve the right to modify these specifications. Version 1 – 1805