

PRODUCT SPECIFICATION			
Product name:	VENUS 50	Application:	Soccer
Model:	Venus-5004B120-BL	Roll width:	4.0m/3.75m/2.0m
Color:	Bi-color	Roll length:	On request
Accreditations and Testing:	FIFA Quality Concept, ASTM,DIN, Trace, SGS		
YARN CHARACTERISTICS			
Yarn 1		Yarn 2	
Structure	Monofilament	Structure	N/A
Composition (ISO 11357)	PE	Composition	N/A
Dtex (ASTM D1907)	12000	Dtex (ASTM D1577)	N/A
Tape Thickness (ASTM D3218)	240-280µm	Tape thickness (ASTM D3218)	N/A
Tape Width:	1.0-1.20mm	Tape Width	N/A
UV Effects (EN ISO 20105)	Grey Scale 4-5,no visual change	Yarn Breaking Strength (ASTM D2256)	≥110 N
Pill Burn Test (ASTM D2859)	Pass	Yarn Melt Point (ASTM D789)	120°C
CARPET CHARACTERISTICS			
TURF			
Pile Height (ISO 2549)	50mm±1mm	Gauge (ASTM D5793)	5/8inch
Number of Strands per	6	Stitches per 10cm	14±1
Stitches per m2 (ISO 1763)	8820±100	Total Yarn Weight (ISO 2549)	1405
BACKING			
Primary Backing	PP + polyester fiber short-staple + Mesh scrim inlay		
Weight (ASTM D5848)	261g/sqm		
Secondary Backing	Green Latex		
Weight (ASTM D5848)	1080g/sqm±10%		
Total Carpet Weight (ASTM D5848)	2746g/sqm ±100g		
Carpet			
Carpet Tuft Withdrawal (EN 13744 & ISO 4919)	≥ 30N	Water Permeability of Carpet (EN 12616)	≥ 2000 mm/hr
INFILL REQUIREMENTS			
Sand			
Particle Size Range	0.5 – 1.0 mm	Particle shape	C2
Bulk Density	1510 Mg/cm3	Application rate	20 kg/m2 **
Rubber			
Particle size range	0.5 – 2.5 mm	Particle shape	B3
Bulk density	480 Mg/cm3	Application rate	8-10 kg/m2