

Technical Data

Stemgrass



PRODUCT SPECIFICATION			
Product name:	Stemgrass 60-14	Application:	Soccer
Model:	Stemgrass-6004B120-BL	Roll width:	2m/4m
Color:	Bi-color	Roll length:	On request
Accreditations and Testing:	ASTM,DIN, Trace, SGS, FIFA Quality		
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)	350µm	Tape thickness (ASTM D3218)	N/A
Tape Width:	1.5mm-1.60mm	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)	100°C
CARPET CHARACTERISTICS			
TURF			
Pile Height (ISO 2549)	60mm±1mm	Gauge (ASTM D5793)	5/8inch
Number of Strands per Tuft	6	Stitches per 10cm	14±1
Stitches per m2 (ISO 1763)	8820	Total Yarn Weight (ISO 2549)	1391
BACKING			
Primary Backing	100% UV Stablized PP + Polyester Fiber + Mesh Scrim inlay		
Weight (ASTM D5848)	250g/sqm		
Secondary Backing	Latex		
Weight (ASTM D5848)	1150g/sqm±10%		
Total Carpet Weight (ASTM D5848)		2791g/sqm ±100g	
Carpet			
Carpet Tuft Withdrawal (EN 13744 & ISO 4919)	≥ 40N	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	1460 Mg/cm3	Application rate	18 kg/m2 **
SBR			
Particle size range	0.5 - 2.5 mm	Particle shape	B3
Bulk density	450 Mg/cm3	Application rate	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 – 1903

Office Add: 18F, Dadi Buiding, No. 56 Huaqiao Road, Nanjing 210029, China

Tel:86-25-69811755 | Fax: 86-25-69811618

E-mail: denghua@ccgrass.com | Web: www.ccgrass.com