



MONDOTURF NSF MONOFIBRE 3NX 60 THERMO AS

Application: Soccer

TECHNICAL DATA

Revision # 0 of 02/02/2010

	TEST METHOD	UNIT	IMPERIAL UNITS	UNIT	METRIC UNITS
			AVERAGE VALUES FROM MANUFACTURING CONTROLS		AVERAGE VALUES FROM MANUFACTURING CONTROLS
FIBER					
Pile Yarn Type	-	-	Extruded Monofilament	-	Extruded Monofilament
Pile Yarn Composition	-	-	UV-stabilized Polyethylene	-	UV-stabilized Polyethylene
Linear Density	ASTM D1577-01	Denier	11000 ± 5%	Denier	11000 ± 5%
Fibers per Tuft	-	-	6	-	6
Thickness of One Turf Yarn	ASTM D1777-96	μ	210 ± 5%	μ	210 ± 5%
Yarn Melting Point	ASTM D789-98	degrees C	≥ 100° C	degrees C	≥ 100° C
Tensile Strenght on One Turf Yarn	ASTM D2256-97	lbs	≥ 25	N	≥ 111
Elongation on One Turf Yarn	ASTM D2256-97	%	≥ 60	%	≥ 60
FABRIC					
Pile Height	ASTM D418-93	inches	2 3/8 ± 5%	mm	60 ± 5%
Pile Weight	ASTM D5848-05	oz/yd²	40 ± 5%	gr/m²	1356 ± 5%
Primary Backing Type	-	-	Thermobonded	-	Thermobonded
Primary Backing Weight	ASTM D5848-05	oz/yd²	≥ 25	gr/m²	≥ 848
Total Weight	ASTM D5848-05	oz/yd²	≥ 65	gr/m²	≥ 2204
Tufting Gauge	-	inches	5/8	inches	5/8
Stitch Rate	-	tufts/3 inch	8 1/2 ± 5%	tufts/m²	8783.4 ± 5%
Tuft Bind	ASTM D1335-98	lbs	≥ 12	N	≥ 53
Grab Tensile of Textile Fabrics (L)	ASTM D5034-95	lbs/force	≥ 350	N	≥ 1557
Grab Tensile of Textile Fabrics (W)	ASTM D5034-95	lbs/force	≥ 300	N	≥ 1334
Roll Length	-	foot	Upon request	mt	Upon request
Roll Width	-	foot	12.95	mt	3.95
INFILL					
Top Layer - Infill Type	-	-	Reground Tire Granule	-	Reground Tire Granule
Top Layer - Particle Size	-	US Sieve	10 to 20	mm	0.8 to 2.0
Top Layer - Density of Granules	-	lb/ft³	62 ± 10%	g/cm³	1 ± 10%
Top Layer - Quantity	-	lbs/ft²	3.5 ± 10%	Kg/m²	17 ± 10%
Bottom Layer - Infill Type	-	-	Sand	-	Sand
Bottom Layer - Particle Size	-	US Sieve	20 to 40	mm	0.4 to 0.8
Bottom Layer - Quantity	-	lbs/ft²	3.3 ± 10%	Kg/m²	16 ± 10%
SYSTEM					
Total Weight	-	lbs/ft²	≥ 7	Kg/m²	≥ 35
Flame Resistance	ASTM D2859-04	-	Pass	-	Pass
Water Permeability	DIN 18-035, Part 6	Inches/hr	≥ 100	mm/hr	≥ 2540
Abrasive Index	ASTM F1015	-	≤ 35	-	≤ 30
Impact Attenuation (Initial)	ASTM F355-95	Gmax	≤ 135	Gmax	≤ 135