GEOGRIDS

MS™ 220 B is composed of two layers of high strength extruded biaxial oriented polypropylene geogrids. The random aperture geometry is designed to accommodate a variety of fill materials. The many tensile elements and multiple layers of the geogrid enhance the soil/geogrid interaction. MS™ 220 B geogrid greatly improves the geogrid interlocking capacity, distributes applied loads, and prevents localized shear failure.

MS 220 B Data Sheet

GEOSYNTHETIC PROPERTY	TEST METHOD	UNIT	MS™ 220B	
			MD	TD
Material Characteristics				
Polymer Type	-	-	Polypropylene	
PH Resistance	-	-	2 – 13	
Carbon Black Content	ASTM 4218	%	0.5	
Strength and Load Capacity				
Peak Tensile Strength	ASTM D6637	lb/ft	925	
Tensile Strength @ 2% Strain	ASTM D6637	lb/ft	301	1,400
Tensile Strength @ 5% Strain	ASTM D6637	lb/ft	616	450
Initial Modulus	ASTM D6637	lb/ft	17,140	920
Tensile Modulus @ 2% Strain	ASTM D6637	lb/ft	15,050	27,420
Tensile Modulus @ 5% Strain	ASTM D6637	lb/ft	12,320	22,500
Structural Integrity				18,400
Flexural Rigidity	ASTM D 1388	mg-cm	250,000	
Junction Strength	GRI-GG2	lb/ft	860	250,000
Performance Characteristics				1315
Maximum Pullout Resistance (Coefficient of Interaction)				
@ 205 psf		lb/ft	-	
@ 410 psf		lb/ft	-	650 (1.05)
Maximum Rut Depth (TEAL = 40,000 cycle)	-	in.	0.827	1,295 (1.03)
Durability				
Resistance to Installation Damage	ASTM D 5818	%	>90/>90/90	

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SEPTEMBER 2010

Engineered Sportfield Solutions LLC