



SPORTFLOW 70-2

DOUBLE-SIDED GEOCOMPOSITE

The drainage geocomposite is comprised of a geonet structure with a thermally bonded polypropylene non-woven geotextile on both sides. The product is capable of providing high Transmissivity in a soil environment under minimal loads typical on natural and synthetic turf applications, and will have properties conforming with the values and test methods listed below.

<u>PROPERTIES</u>	<u>TEST METHOD</u>	<u>UNIT</u>	<u>VALUE</u>
GEONET CORE			
Tensile Strength – MD ¹	ASTM D4595	lb/ft (kN/m)	500 (7.3)
Compressive Creep Behavior retained thickness @ 2,000 psf after 10,000 hours		%	90
Density	ASTM D1505	g/cm ³	0.94
Thickness ²	ASTM D5199	mils (mm)	315 (8.0)
GEOTEXTILE³			
Weight	ASTM D3776	oz/yd ² (g/m ²)	6 (203)
Water Flow Rate	ASTM D4491	gal/min/ft ²	110
Permeability	ASTM D4491	cm/sec	0.2
Grab Tensile Strength	ASTM D4632	lbs (N)	160 (712)
Grab Elongation	ASTM D4632	%	50
GEOCOMPOSITE			
Roll Width		ft (m)	6.7 (2.0)
Roll Length		ft (m)	200 (61)
HYDRAULIC BEHAVIOR OF GEOCOMPOSITE			
Transmissivity – MD ⁴	ASTM D4716 GRI-GC8	m ² /sec	
<u>Gradient/Load</u>			<u>1,000 psf</u>
<u>i = 0.10</u>			<u>5.5 x 10⁻³</u>

NOTES:

1. Tensile properties tested by manufacturer every 50,000 square feet of product per ASTM D4595 with a specimen width of 8.0 in. and cross-head speed of 0.4 in/min
2. Thickness measured by manufacturer every 50,000 square feet of product per ASTM D5199 with a 2.22 in. diameter presser foot and 2.9 psi pressure.
3. Geotextile and Geonet properties are prior to lamination. Geotextile is tested at the standard industry frequency.
4. Transmissivity tested by manufacturer every 200,000 square feet of product per ASTM D4716. Testing Conditions are: steel plate / uniform sand / geocomposite / 60 mil HDPE geomembrane / steel plate, with the flat side of the geocomposite facing the soil. The seating period is 100 hours.

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