

SYNTEC PRODUCT SPECIFICATION

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SYNTEC
 GEOSYNTHETICS EVOLVED

TENDRAIN BF – Biofilter Tri-Planar Geonet Barrier Layer

SYNTEC TENDRAIN BF is an innovative high performance tri-planar structure consisting of thick supporting ribs with diagonally placed top and bottom ribs. TENDRAIN BF is manufactured from the extrusion of high density polyethylene resin and carbon black. TENDRAIN BF is inert to chemical and biological attack and is stabilized against UV degradation. TENDRAIN BF typically serves as a support layer between biofilter media and the stone media to limit mitigation of particles. TENDRAIN BF has properties conforming to the values and test methods listed below:

PROPERTY	TEST METHODS	UNITS	VALUE	QUALIFIER	FREQUENCY
TRI-PLANAR GEONET¹					
Thickness	ASTM D 5199	mil (mm)	300 (7.6)	±10%	100,000 sf
Density	ASTM D 792	g/cm ³	0.94 – 0.96	Range	100,000 sf
Melt Flow Index	ASTM D 1238	g/10 min	1.0	MAX	100,000 sf
Carbon Black	ASTM D 4218	%	2-3	Range	100,000 sf
Rib Spacing (top & bottom)	Callipered	inch (mm)	0.4 (10)	Typical	
Central Rib Spacing	Callipered	inch (mm)	0.5 (12.5)	Typical	
Unsupported Aperture Area	Callipered	inch ² (mm ²)	0.3 (195)	MAX	
Tensile Strength – MD	ASTM D 7179	lb/ft (kN/m)	1000 (14.6)	±10%	100,000 sf
Thickness Retained After 10,000 hour creep test under 10,000psf, and 20°C temperature	GRI-GC8	%	80	-	
DIMENSIONS AND DELIVERY					
The geonet shall be delivered to the jobsite in roll form with each identified and nominally measuring 13 feet (4.0 meters) in width and 200 feet (61 meters) in length.					

Qualifiers: MAX=Maximum Value, MD=Machine Direction.