

Mirafi[®] TM13C

Mirafi[®] TM13C is a 3-dimensional, lofty synthetic, erosion control mat, which provides bare soil retention, vegetation nurturing and turf reinforcement. Mirafi[®] TM13C is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

PERFORMANCE PROPERTIES ¹	TEST METHOD	UNIT	VALUE
Velocity (fully vegetated)	Large Scale	ft/sec (m/sec)	>25 (7.6)
Shear Stress (fully vegetated)	Large Scale	lbs/ft ² (Pa)	16.9 (809)
Manning's Coefficient	Calculated	"n"	0.033

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			MD	CD
Tensile Strength @ Ultimate	ASTM D6818	lbs/ft (kN/m)	3096 (45.2)	3096 (45.2)
MINIMUM TEST VALUE				
UV Resistance (at 3000 hours)	ASTM D4355	% strength retained	98	
UV Resistance (at 6000 hours)	ASTM D4355	% strength retained	90	
UV Resistance (at 10000 hours) ³	ASTM D4355	% strength retained	83	
TYPICAL ROLL VALUE				
Thickness	ASTM D6525	mils (mm)	475 (10.2)	
Resiliency	ASTM D6524	%	70	
Resiliency ²	ASTM D6524	mils (mm)	330 (8.4)	
MAXIMUM ROLL VALUE				
			MD	CD
Tensile Elongation	ASTM D6818	%	50	50
Light Penetration	ASTM D6567	%	40	

PHYSICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL ROLL SIZE
Mass Per Unit Area	ASTM D6566	oz/yd ² (g/m ²)	9.0 (288)
Roll Dimensions (width x length)			12' x 75' (3.66m x 22.9m)
Estimated Roll Weight			
Label Roll Color			Green or Tan ³

¹ Based upon full-scale independent testing performed at TRI Environmental.
² Typical Resiliency Thickness reported in mils, *T_f* per Section 9.5, ASTM D6524.
³ UV Resistance (@10000 hours) not available for Tan PATENT # 8,252,705

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