



# MIRAFI CR440

MIRAFI® CR440 geotextile is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. MIRAFI CR440 geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas (A Solmax Company) is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	7200 (105)	10620 (155)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	1500 (22)	5400 (79)
Grab Tensile Strength	ASTM D4632	lbs (N)	500 (2225)	475 (2114)
Grab Tensile Elongation	ASTM D4632	%	11	4
Trapezoid Tear Strength	ASTM D4533	lbs (N)	180 (801)	180 (801)
CBR Puncture Strength	ASTM D6241	lbs (N)	2700 (12,015)	
<b>MINIMUM ROLL VALUE</b>				
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	30 (1222)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.4	
<b>MAXIMUM OPENING SIZE</b>				
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	30 (0.60)	
<b>TYPICAL ROLL VALUE</b>				
Pore Size O <sub>95</sub>	ASTM D6767	microns	577	
Pore Size O <sub>50</sub>	ASTM D6767	microns	265	
<b>MINIMUM TEST VALUE</b>				
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	85	
Factory Seam Strength	ASTM D4884	lbs/ft (kN/m)	5652 (82.5)	
PHYSICAL PROPERTIES		UNIT	ROLL SIZE	
Roll Dimensions (width x length)		ft (m)	15 x 300 (4.5 x 91)	
Roll Area		yd <sup>2</sup> (m <sup>2</sup> )	500 (418)	
Estimated Roll Weight		lbs (kgs)	710 (322)	

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