



## 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 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)	
			MINIMUM ROLL VALUE	
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	
			MAXIMUM OPENING SIZE	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	30 (0.60)	
			TYPICAL ROLL VALUE	
Pore Size O <sub>95</sub>	ASTM D6767	microns	577	
Pore Size O <sub>50</sub>	ASTM D6767	microns	265	
			MINIMUM TEST VALUE	
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)	
Label Roll Color			WHITE	

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