



Mirafi® CR220

Mirafi® CR220 geotextile is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. Mirafi® CR220 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)	4800 (70.0)	4800 (70.0)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	2400 (35.0)	3000 (43.8)
Grab Tensile Strength	ASTM D4632	lbs (N)	500 (2225)	500 (2225)
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)	2000 (8900)	
			MINIMUM ROLL VALUE	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	35 (1426)	
Permittivity	ASTM D4491	sec ⁻¹	0.5	
			MAXIMUM OPENING SIZE	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	30 (0.60)	
			TYPICAL ROLL VALUE	
Pore Size O ₉₅	ASTM D4491	microns	460	
Pore Size O ₅₀	ASTM D4491	microns	275	
			MINIMUM TEST VALUE	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	
Factory Seam Strength	ASTM4884	lbs/ft (kN/m)	3000 (43.8)	
PHYSICAL PROPERTIES		UNIT	ROLL SIZE	
Roll Dimensions (width x length)		ft (m)	15 x 300 (4.5 x 91)	
Roll Area		yd ² (m ²)	500 (418)	
Estimated Roll Weight		lbs (kgs)	400 (182)	

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