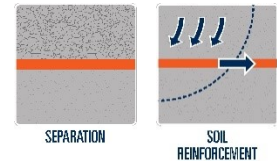


Mirafi[®] CR220



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.

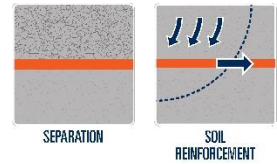
Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	4800 (70.0)	4800 (70.0)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	2400 (35.0)	2700 (39.4)
CBR Puncture	ASTM D6241	lbs (N)	2000 (8900)	
			Minimum Roll Value	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	30 (1222)	
			Typical Roll Value	
Pore Size O_{95}^1	ASTM D6767	microns	445	
Pore Size O_{50}^1	ASTM D6767	microns	275	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	30 (0.60)	
			Minimum Test Value	
Factory Sewn Seam	ASTM D4884	lbs/ft (kN/m)	3000 (43.8)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

Physical Properties	Unit	Roll Size
Roll Dimensions (length x width)	ft (m)	15 x 300 (4.5 x 91)
Roll Area	yd ² (m ²)	500 (418)

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Mirafi® CR330

Mirafi® CR330 is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. Mirafi® CR330 is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	7740 (113)	5820 (85)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	3960 (58)	5280 (77)
CBR Puncture	ASTM D6241	lbs (N)	2500 (11125)	
			Minimum Roll Value	
Flow Rate	ASTM D4491	gal/min/ft ² l/min/m ²	65 (2648)	
			Typical Roll Value	
Pore Size O ₉₅	ASTM D6767	microns	720	
Pore Size O ₅₀	ASTM D6767	microns	360	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	20 (0.85)	
			Minimum Test Value	
Factory Seam Strength	ASTM D4884	lbs/ft (kN/m)	3600 (52.5)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	80	

Physical Properties	Unit	Typical Value
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.5 x 91)
Roll Area	yd ² (m ²)	500 (418)

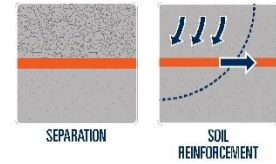
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Mirafi® CR440



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

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 (21.9)	5400 (78.8)
CBR Puncture	ASTM D6241	lbs (N)	2700 (12015)	
			Minimum Roll Value	
Flow Rate	ASTM D4491	gal/min/ft ² l/min/m ²	30 (1222)	
			Typical Roll Value	
Pore Size O ₉₅	ASTM D6767	microns	577	
Pore Size O ₅₀	ASTM D6767	microns	265	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	30 (0.60)	
			Minimum Test Value	
Factory Seam Strength	ASTM D4884	lbs/ft (kN/m)	5652 (82.5)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	85	
			Minimum Test Value	

Physical Properties	Unit	Typical Value
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.5 x 91)
Roll Area	yd ² (m ²)	500 (418)

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