

Mirafi® 170-ORD



Mirafi® 170-ORD is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi® 170N-ORD 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).

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Weight	ASTM D5261	oz/yd ² (g/m ²)	7.1 (241)	
Thickness	ASTM D5199	mils (mm)	90 (2.3)	
Grab Tensile Strength	ASTM D4632	lbs (N)	180 (801)	180 (801)
Grab Tensile Elongation	ASTM D4632	%	50	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	75 (334)	75 (334)
Mullen Burst Strength	ASTM D3786	psi (kPa)	330 (2275)	
Puncture Strength	ASTM D4833	lbs (N)	105 (467)	
CBR Puncture Strength	ASTM D6241	lbs (N)	300 (1335)	
			Minimum Roll Value	
Permittivity	ASTM D4491	sec ⁻¹	1.5	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	100 (0.15)	
			Minimum Test Value	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

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)
Estimated Roll Weight	lb (kg)	259 (117)

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