



2199



2199 geotextile is composed of high-tenacity monofilament polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. 2199 geotextile is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids. 2199 meets AASHTO M288-06 Class 2 and 3 for < 50% elongation and 15% to 50% and > 50% fines for Subsurface Drainage and Permanent Erosion Control.

Our Laboratories are accredited by [a2La](#) (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP). NTPEP Listed

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	370 (1647)	250 (1113)
Grab Tensile Elongation	ASTM D4632	%	15	15
Trapezoid Tear Strength	ASTM D4533	lbs (N)	100 (445)	60 (267)
CBR Puncture Strength	ASTM D6241	lbs (N)	950 (4228)	
			Minimum Roll Value	
Percent Open Area	COE-02215	%	4	
Permittivity	ASTM D4491	sec ⁻¹	0.28	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	18 (733)	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	70 (0.212)	
			Minimum Test Value	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	90	

Physical Properties	Unit	Roll Size
Roll Dimensions (width x length)	ft (m)	12 x 300 (3.7 x 91)
Roll Area	yd ² (m ²)	400 (334)

Percent Open Area (COE-02215) is not covered by our current A2LA accreditation.

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Testing Lab 1291.01 & 1291.02