



Mirafi[®] PET 1000/100

Mirafi[®] PET 1000/100 geotextile is composed of high tenacity polyester multifilament yarns which are woven into a stable network such that the yarns retain their relative position. Mirafi[®] PET 1000/100 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)	68532 (1000)	6853 (100)
Creep Reduced Strength	ASTM D5262	lbs/ft (kN/m)	41119 (600) ²	
Long Term Design Strength ¹	GRI-GT7	lbs/ft (kN/m)	33983 (496) ²	
Tensile Strength in Machine Direction (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	27413 (400)	
Carboxyl End Group	GRI-GG7	mmol/kg	< 30	
Molecular Weight	GRI-GG8	--	> 25000	
UV Resistance (at 250 hours)	ASTM D4355	% strength retained	100	

¹ Long Term Allowable Design values are for sand, silt and clay.

² Machine Direction

Physical Properties	Unit	Typical Value
Roll Dimensions (width x length)	m (ft)	16.4 x 328 (5 x 100)
Roll Area	m ² (yd ²)	598 (500)
Estimated Roll Weight	kg (lbs)	2519 (1143)

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