



# Mirafi<sup>®</sup> PET 400/50

Mirafi<sup>®</sup> PET 400/50 is composed of high tenacity polyester multifilament yarns which are woven into a stable network such that the yarns retain their relative position. Mirafi<sup>®</sup> PET 400/50 is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
			Machine Direction
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	27417 (400.0)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	9594 (140.0)
Creep Reduced Strength	ASTM D5262	lbs/ft (kN/m)	16447 (240.0)
Long Term Design Strength <sup>1</sup>	GRI GT7	lbs/ft (kN/m)	13590 (198.3)
Carboxyl End Group	GRI GG7	mmol/kg	< 30
Molecular Weight	GRI GG8	--	> 25000
UV Resistance (at 250 hours)	ASTM D4355	% strength retained	50

<sup>1</sup> Long Term Allowable Design values are for sand, silt and clay.

Physical Properties	Unit	Typical Value
Roll Dimensions (length x width)	ft (m)	16.4 x 656 (5 x 200)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	1195 (1000)

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