

Mirafi® X Woven Polypropylene Geotextiles

Properties of Mirafi® X Woven Polypropylene Geotextiles

Property	Unit	500X	550X	600X
Mechanical properties				
Wide width tensile strength				
ISO 10319, ASTM D4595				
Mean ultimate tensile strength	MD kN/m	25	35	50
Mean ultimate tensile strength	CD kN/m	25	35	50
Extension at peak strength	MD %	20	20	20
Extension at peak strength	CD %	20	20	20
Grab tensile strength				
ASTM D4632				
Mean tensile strength	MD kN	1.0	1.2	1.5
Mean tensile strength	CD kN	1.0	1.2	1.5
Extension at peak strength	MD %	15	15	15
Extension at peak strength	CD %	10	10	15
CBR puncture strength				
ISO 12236, ASTM D6241				
Mean puncture strength	kN	3.2	4.2	5.5
UV resistance after 500 hrs				
ASTM D4355				
Strength retention	%	70	70	70
Hydraulic properties				
Apparent opening size – ASTM D4751				
	mm	0.425	0.425	0.425
Water permeability – ASTM D4491				
Mean flow rate	l/m ² /s	5	5	5
Mean permittivity	s ⁻¹	0.05	0.05	0.2
Nominal roll width	m	4	4	4
Nominal roll length	m	200	200	200
Estimated roll weight	kg	115	140	160

200-605-ide-04/08

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