

Propex® GEOTEXTILE

POLYPROPYLENE NEEDLE PUNCHED NONWOVEN GEOTEXTILE FABRICS

TYPICAL PROPERTIES

GRADE	TEST METHOD	UNITS	AS 351	AS 401	AS 501	AS 601	AS 701	AS 801	AS 1071	AS 1201	AS 1601
TYPICAL MECHANICAL PROPERTIES											
Trapezoidal Tear Strength	AS 3706.3	N	250	300	350	400	450	505	620	800	900
CBR Burst Strength	AS 3706.4	kN	1.7	2.1	2.3	2.9	3.15	3.4	4.4	5.5	6.2
Drop Cone h_{50}	AS 3706.5	mm	1430	1570	1650	1990	2400	2850	3900	5200	5900
G-Rating	Austrroads	-	1560	1815	1950	2400	2750	3115	4140	5350	6050
Grab Tensile Strength	AS 2001.2.3	N	490	560	700	870	1050	1200	1600	2100	2860
TYPICAL HYDRAULIC PROPERTIES											
Pore Size Q_{95}	AS 3706.7	microns	200	180	130	100	100	90	75	75	75
Nominal Flow Rate Q_{100}	AS 3706.9	l/m ² /s	200	180	170	150	135	100	90	80	70
Permittivity	AS 3706.9	s ⁻¹	2	1.8	1.7	1.5	1.35	1	0.9	0.8	0.7
TYPICAL PHYSICAL PROPERTIES											
Mass	AS 3706.1	g/m ²	120	136	170	205	240	272	340	410	545
Standard Roll Size (others sizes available)	-	m	4 x 300	4 x 250	4 x 200	4 x 175	4 x 140	4 x 115	4 x 100	4 x 80	4 x 60
Nominal Roll Weight	-	kg	144	136	136	144	134	125	136	132	132

Propex is a registered trademark of Propex Inc.

Propex geotextiles are manufactured to ISO 9001 quality assurance procedures. Propex geotextiles are made from polypropylene filaments that are highly durable and resistant to all natural occurring soil acids and alkalis. Polypropylene geotextiles are unaffected by bacteria and fungi. Properties of Propex geotextiles are typical values and correspond to average values derived from in house and independent laboratory testing.

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