

NONWOVEN GEOTEXTILE APPLICATIONS

Application Recommendations for Syntex Nonwoven Geotextiles		
Civil	Erosion Control	GNP: B1, C1
	Drainage	GNP: A1, B1
	Roadway Separation	GNP: A1, B1, C1
	Roadway Stabilisation	GNP: B1, C1, D1
	Railroad Stabilisation	GNP: E1
Environmental	Geomembrane Liner Protection	GNP: C1, D1, E1
	Gas Venting	GNP: D1, E1
	Landfill Leachate Collection	GNP: B1, C1
	Landfill Drainage Systems	GNP: C1

PHYSICAL PROPERTIES							
GEOTEXTILES NONWOVEN Polypropylene (product prefix: GNP)							
STRENGTH/ FILTRATION CLASSES (TRANSIT NEW ZEALAND)							
TNZ Strength Classes (F/7 2003)			A	B	C	D	E
TNZ Filtration Classes (F/7 2003)			1-4 (all grades)				
PRODUCT CODE (GNP:)			A1	B1	C1	D1	E1
MECHANICAL							
Grab Strength	AS 2001.2.3.2	N	580	800	1100	1550	1850
Tensile Strength at Break	AS 3706.2	kN/m	10	12.5	18.2	23	28
Trapezoidal Tear	AS 3706.3	N	230	300	420	600	650
CBR Puncture	AS 3706-4	N	1700	2500	3100	4100	4800
G-Rating	Austrroads	G	> 1450	> 2250	> 2850	> 3900	> 4500
HYDRAULIC							
Effective Opening Size (EOS)	AS3706.7	micron	120	110	90	90	75
Water Flow Rate	AS3706.9	l/m2/sec	225	175	140	125	105
ENDURANCE							
UV Resistance (Retained @ 500 hrs)	ASTM D 4355	%	70	70	70	70	70

All values are Typical unless indicated otherwise.

The data in all tables is intended as guides only and is not intended as a warranty or guarantee. Permathene Ltd. reserves the right to change the specification contained herein without notice.

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