

# Duraforce® Geotextiles

Advanced GeoSynthetic Solutions™

Needle Punched Nonwoven Geotextiles

Technical Fabrics  
AS series

PROPERTY	TEST METHOD	UNIT	AS140	AS240	AS280	AS410	AS440	AS640
<b>MECHANICAL</b>								
Grab Tensile Strength (MD/CD)	AS 2001.2.3	N	450	500	800	1100	1300	1800
Trapezoidal Tear (MD/CD)	AS 3706.3	N	160	180	250	350	450	650
Burst Strength - CBR plunger	AS 3706.4	N	1300	1700	2700	3400	4500	6000
Puncture Resistance - Cone Drop	AS 3706.5	mm	41	31	24	20	16	12
Puncture Resistance - h <sub>50</sub>	AS 3706.5		669	1010	1471	1923	2669	4074
G Rating	Austroroads		933	1310	1993	2557	3466	4944
<b>HYDRAULIC</b>								
Equivalent Opening Size (O <sub>95</sub> )	AS 3706.7	µm	75	75	70	60	60	50
Permittivity	AS 3706.9	sec <sup>-1</sup>	2.75	2.0	1.6	1.0	1.0	0.50
Water Flow Rate (Q <sub>100</sub> )	AS 3706.9	l/m <sup>2</sup> *s	275	200	160	100	100	50
<b>TNZ F7 Specifications (2003)</b>								
Strength Class				A	B	C	D	E
Filtration Class			1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4
<b>ENDURANCE</b>								
Resistance to Degradation by Light, Heat and Moisture	AS 3706.11	% retained at 500hr	80	80	80	80	80	80
<b>STANDARD PACKAGING</b>								
Roll Width	Measured	m	4.0	4.0	4.0	4.0	4.0	4.0
Roll Length	Measured	m	100	100	100	100	100	100

**NOTES:**

1. Cirtex Industries Ltd reserves the right to alter product specifications without prior notice. It is the responsibility of all users to satisfy themselves that the above data is current.
2. MD indicates Machine Direction and CD indicates Cross Direction.
3. All values listed are Q values, the mean values minus 0.83 times the standard deviation, obtained from testing current AS geotextile test standards in our laboratory or at external laboratories.
4. Polypropylene is the constituent polymer used in the production of these geotextiles.

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