

Phi (Ireland) Ltd.

Unit 8A, Keypoint, Rosemount Business Park,
Ballycoolin, Dublin 11
Tel: 01-8853434 Fax: 01-8853862

Woven Geotextiles

Technical Information

INFORMATION IS GIVEN IN GOOD FAITH BUT WITHOUT WARRANTY

AUTOWAYS Geotextiles are manufactured from extruded polypropylene tapes which are resistant to all naturally occurring soil acids and alkalis and unaffected by bacteria and fungi.

Mechanical Properties			Grade						
			Geolay 609	90	120	150	200	240	80/80
Specific gravity			0.91	0.91	0.91	0.91	0.91	0.91	0.91
Thickness (mm)			0.34	0.34	0.45	0.60	0.75	0.87	0.95
Fabric Density (g/m ²)			85	90	115	150	200	240	355
Maximum Tensile Load (kN/m) (200mm strip)	BS EN ISO 10319 1996	Length	16.0	19.0	19.0	31.0	34.0	42.0	80.0
		Width	11.5	11.0	15.0	27.0	32.0	45.0	80.0
Strain at Maximum Load (%)		Length	22	30	30	29	19	25	20
		Width	24	19	17	19	11	13	10
Grab Tensile Strength at Break (N)	ASTM D -4632-1991	Length	515	647	694	960	1275	1500	NA
		Width	449	302	437	810	1045	1300	NA
Apparent Elongation (%)		Length	24	27	28	23	19	24	NA
		Width	25	18	16	17	12	14	NA
Burst Strength (kPa)	BS4768:1972 (1984)		1257	1636	2054	3256	4036	4660	NA
Tear Strength - Trapezoidal (N)	ASTM D-4533-1991	Length	187	310	259	390	632	735	NA
		Width	193	155	250	305	524	580	NA
CBR Puncture Resistance (N)	BS EN ISO 12236 (1996)		1735	1870	2250	3300	4580	5904	8500
NRA Clause			Clause 517		Clause 609				
Hydraulic Properties									
Permeability (l/m ² /s)	BS6909:Part 3:1989		18	21	13	13	30	40	22
Pore Size (Microns)	BS6909:Part 2:1989		207	170	130	225	250	245	330

EFFECT OF SUNLIGHT

Exposure to strong sunlight over a period of months will result in a gradual loss of strength.

EFFECT OF TEMPERATURE

It is advisable not to remove wrapping until the fabric is required for use.

FABRIC LENGTH

Fabric strength is unaffected between the temperature of -25° and 100°.

FABRIC WIDTH

Standard length of 100m rolled on to a robust cardboard tube. Longer lengths available on request.

Standard 4.5m. Other widths available on request.

