

TECHNICAL DATA SHEET OF RPE Woven Geomembrane

Sr. No	Properties	Test Method	Test Value		
1	Thickness	ASTM D 1777	20 mil	24 mils	30 mils
2	Grab Tensile (N)	ASTM D 7004	MD 345 lb (1535)	MD 345 lb (1535)	MD 350 lb (1556)
			TD 339 lb (1507)	TD 339 lb (1507)	TD 334 lb (1488)
3	Strip Tensile (N/5cm)	ASTM D 7003	MD 185 lb/in (1650) TD 122 lb/in (1088)	MD 262 lb/in (2334) TD 295 lb/in (2623)	MD 319 lb/in (2844) TD 298 lb/in (2656)
4	Tongue Tear-large scale(N)	ASTM D 5884	MD 76 lb (336) TD 79 lb (352)	MD 96 lb (426) TD 107 lb (476)	MD 85 lb (380) TD 87 lb (388)
5	Mullen Burst	ASTM D 751	570 psi (3930 kPa)	570 psi (3930 kPa)	1102 psi (7598 kPa)
6	Hydrostatic Resistance	ASTM D 751	312 psi (2151 kPa)	355 psi (2448 kPa)	540 psi (3723 kPa)
7	Puncture Resistance	ASTM D 4833	110 lb (492 N)	151 lb (672 N)	182 lb (812 N)
8	CBR Static Puncture	ASTM D 6241	739 lb (3288 N)	1212 lb (5394 N)	1126 lb (5010 N)
9	Dimensional Stability	ASTM D 1204	MD - 2.9 % TD - 0.6 %	MD - 2.9 % TD - 0.6 %	MD - 2.9 % TD - 0.6 %
10	Accelerated UV Weathering	ASTM G 154	>90 % strength Retention after 2000 hrs@0.77 W/m ² /nm	>90 % strength Retention after 2000 hrs@0.77 W/m ² /nm	>90 % strength Retention after 2000 hrs@0.77 W/m ² /nm

Address: P2, Prime Industrial and Logistics Hub, Vadala Road,
Near Bharat Gas Plant, N.H.8, Village: Hariyala,
District: Kheda, Gujarat – 387570, India.
CIN: L29100GJ1989PLC012576
Email: export@geotexelin.com | sales@geotexelin.com
Website: www.geotexelin.com



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