

PRODUCT SPECIFICATION SHEET



RTEC 1 ENVIRONMENTAL MEMBRANE

1mm HDPE Environmental Membrane

TECHNICAL DATA

	Value	Units	Test Method
Width	Various	M	
Length	Various	M	
Thickness	1	mm	ASTM D 5199
Density	0.940	g/cm ³	ASTM D 1505
Tensile Properties (Each Direction)			ASTM D 6693 Type IV
Strength at break	27	N/mm ≥	Dumbell 2 ipm
Strength to Yield	15	N/mm ≥	Dumbell 2 ipm
Elongation at Break	700	% ≥	G.L 2.0in (50mm)
Elongation at Yield	12	% ≥	G.L 1.3in (33mm)
Tear Resistance	125	N ≥	ASTM D 1004
Puncture Resistance	320	N ≥	ASTM D 4833
Carbon Block Content	2.0-3.0	% (range)	ASTM D 1603*4218
Carbon Black Dispersion	Note(1)	%(range)	ASTM D 5596
Notched Constant Tensile Load	300	Hr ≥	ASTM D 5397 Appendix
Oxidative Induction Time	>100	mins	ASTM D 3895 200°C, O ₂ , 1atr
High Pressure OIT	>400	mins	ASTM D 5885
Oven aging at 85°C retained after 90 days	≥55	Per each formulation	ASTM D 5721
High Pressure (min.ave) % retained after 90 days	≥80	Per each formulation	ASTM D 5721
UV resistance Standard OIT after 1600 hours of UV	≥50		ASTM D 7238

For technical assistance call: Stuart Reeves on **07984 208767**
Help with sales or support are also available using: stuart@geoguard.uk

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DESCRIPTION

RTEC 1 is a high-performance HDPE Environmental membrane. The membrane is extremely robust and provides impermeable protection from water. Suitable for hot air and wedge welding.

CE Certification standard EN13967:2012 EN13249:2016



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