

## EPDM Geomembrane -1.14mm Specification

PROPERTIES	TEST METHOD	VALUE	TOLERANCE	UNIT
Mass per unit area	EN 1849-2	1288	± 5%	gr/m <sup>2</sup>
Tensile strength (MD / CD)	ISO R 527	9	-1	N/mm <sup>2</sup>
Elongation (MD / CD)	ISO R 527	≥ 300		%
Dimensional stability	EN 1107-2	≤ 0,7		%
Flexibility at low temperature	EN 495-5	≤ -45		°C
Resistance to static puncture	EN ISO 12236	0,5	-0.1	kN
Liquid tightness under high pressure Application (4 bar = 10m depth)	EN 1928:2000 Method B	Watertight		
Water permeability (Liquid tightness)	EN 14150	3.0 10 <sup>-6</sup>	± 10 <sup>-6</sup>	m <sup>3</sup> /m <sup>2</sup> d
Methane permeability (Gas tightness)	ASTM D1434	2.25 10 <sup>-3</sup>		m <sup>3</sup> /m <sup>2</sup> d
Durability – weathering (25 y)	EN 12224	Pass		
Durability - oxidation	EN 14575	Pass		

December 11