



## PP Impermeable Geomembrane

**Geomembrane with excellent flexibility, improved elasticity and resistance to puncture to assure maximum multiaxial elongation.**

PP Impermeable Geomembrane is a flexible polypropylene geomembrane produced from a resin formulation designed to provide quality geomembrane with excellent flexibility, and improved elasticity and resistance to puncture. These properties assure maximum multiaxial elongation to accommodate differential settlement. PP Impermeable Geomembrane is ideal for most geomembrane applications and major benefits to installation are provided by lower coefficient of thermal expansion and a wide temperature-welding window.

Tested Property	Unit	Test Method	Minimum Values			
Thickness Lowest Individual Reading (-10%)	mm	ASTM D 5199	0.75 0.68	1.0 0.90	1.5 1.35	2.0 1.80
Density	g/cm <sup>3</sup>	ASTM D 1505	0.89	0.89	0.89	0.89
Tensile Properties (Each Direction) Strength At Break Elongation At Break	N/mm %	ASTM D 6693 (Type IV; 500 mm/min; lo = 50mm)	12 700	17 700	25 700	35 700
Tear Resistance	N	ASTM D 1004	45	55	90	120
Puncture Resistance	N	ASTM D 4833	110	130	200	300
Carbon Black Content	%	ASTM D 4218	3.0	3.0	3.0	3.0
Carbon Black Dispersion	Category	ASTM D 5596	Note (a)	Note (a)	Note (a)	Note (a)
Reference Property			Nominal Values			
Multi-axial Strain	%	ASTM D 5617	> 120	> 120	> 120	> 120
Low Temperature Brittleness	°C	ASTM D 2136 (b)	< - 40	< - 40	< - 40	< - 40
Row Width (approx.) (b)	m	---	7.0			
Surface	---	---	Double-sided Smooth			

**NOTES:**

(a): Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be category 1 or 2. No more than 1 view from category 3.

(b): Roll widths and lengths have a tolerance of ± 1%.

1. Wrekin Products Ltd is continually seeking to improve our products and therefore reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves the above data is current.
3. Installation details are available on request.
4. Published May 2019 V1 CT



SCAN QR CODE FOR MORE INFO

