



HDPE Black Smooth Geomembrane Sheet Two sides (1 mm)

Property	Test method	Unit	Results
Average Thickness	2S%	µm	1000
Thickness Tolerance		%	+/- 10
Density	ASTM D1505	g/cm ³	≥ 0.940
Tensile strength at break MD	ASTM D6693	MPa	19
Tensile strength at break TD		MPa	18
Tensile strength at yield MD		MPa	15
Tensile strength at yield TD		MPa	13
Elongation at break MD		%	500
Elongation at break TD		%	500
Elongation at yield MD		%	6
Elongation at yield TD		%	6
Tear Resistance	ASTM D1004	N	122
Puncture Resistance	ASTM D4833	N	230
Melt Flow Index @190C/2.16Kg	ASTM D1238	g/10 min.	< 1.0
Carbon Black Content	ASTM D4218	%	2.0-3.0
Oxidation Induction Time	ASTM D3895	min.	100
Water Absorption wt.	ASTM D570	%	< 0.1
Dimensional Stability	ASTM D1204	%	± 2
Roll Dimension-width	----	m	6
Roll Dimension - Length	----	m	100

NOTICE:

The above analysis was performed in our labs and was based on reliable and standard laboratory testing procedures. The information contained herein is to be used only as a guide for using our film. Users of this film should make independent assessment of its suitability and applicability to their end use.

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Properties values mentioned in this document are valid for 6 months from the date of production and should be used prior to this time.