

High Density Polyethylene Geomembrane

Standard Thickness: 1.5 mm

Dimensions

Properties	Test Method	Unit	Minimum Average Value
Thickness	ASTM D5199	mm	1.5
Width	Measuring Tape	m	8
Roll Length	Measuring Tape	m	140

The thickness, width and length values may be changed due to project specifications

HDPE Geomembrane Properties

Properties	Test Method	Unit	Minimum Average Value
Density	ASTM D792	g/cm ³	≥ 0.94
Thermal Stability, OIT	ASTM D3895 (200°C)	min	≥ 100
Melt Flow Index	ASTM D1238 (load 2.16kg)	g/10min	≤ 1.0
Carbon Black Content	ASTM D4218	%	2.0 -3.0
Tensile Strength at Break	ASTM D638	kN/m	43
Tensile Elongation at Break	ASTM D638	%	700
Tear Resistance	ASTM D1004	N	200
Puncture Resistance	ASTM D4833	N	540

These product specifications meet or exceed GRI Test Method GM13, Geosynthetic Institute with ASTM methods

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