



1. Description

Made from high density polyethylene resins , our HDPE smooth geomembrane are the most widely used products for lining of landfills, mines, reservoirs and other fluid containment applications. They are preferred for sites requiring low permeability and exceptional chemical and ultraviolet resistance properties.

2. Specification

Properties	Test Method	Unit	HDSI50
Thickness	ASTM D5199	mm	1.50
Density	ASTM D1505	g/cc	0.94
Tensile strength at break	ASTM D6693	kN/m	43
Tensile strength at yield	ASTM D6693	kN/m	26
Elongation at break	ASTM D6693	%	750
Elongation at yield	ASTM D6693	%	13
Tear resistance	ASTM D1004	N	222
Puncture resistance	ASTM D4833	N	534
Carbon black content	ASTM D1603	%	2-3
Carbon black dispersion	ASTM D5596	-	No more than 1 view from category3
Notched constant tensile load	ASTM D5397 , appendix	hrs	400
Oxidative Induction time(OIT)	ASTM D3895 200°C,O ² ,1atm	min	≥100
Oven aging at 85°C, OIT retained after 90 days	ASTM D5721	%	50/80
UV resistance, OIT retained after 1600 hrs	ASTM D5885	%	50
Roll width	-	m	8
Roll length	-	m	100
Roll area	-	m ²	800

The information contained herein is , to the best of our knowledge , accurate in all material respects