

ONE SIDE TEXTURED

HDPE Geomembrane



Production Description

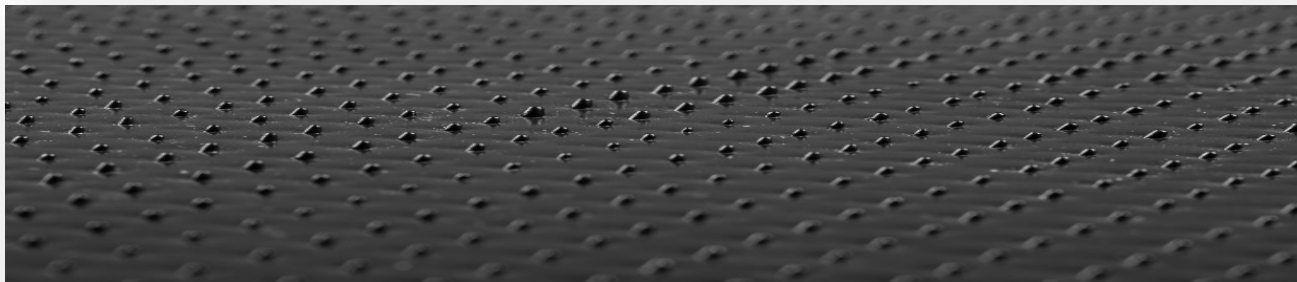
One side Textured HDPE geomembranes are produced with either one side or both sides rough. During production, polyethylene raw material is prepared with pigments and auxiliary additives. After going through necessary processes in extruders, these membranes are homogeneously formed using a calendaring system to create insulation membranes

Textured HDPE Geomembrane Types;

1. One Side Textured HDPE Geomembranes.
2. Both of Side Textured HDPE Geomembranes.

Textured HDPE Geomembranes Benefits and Advantages;

1. Provides higher friction performance and better adhesion with geotextiles.
2. Provides better performance in soil structure in slope areas.



- Please contact **GEOMERT®** for more information.

Ares of Use

- Solid, Medical and Hazardous Waste Areas
- Oil Waste Fields and Mining Areas
- Ponds and Agricultural Pools



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PHYSICAL SPECIFICATIONS

Test Method	Unit	Values	Tolerance
Raw Material		High Density Polyethylene (HDPE)	
Intensity	EN ISO 1183-1	gr/cm ³	0.940 – 0.970
			-

MECHANICAL SPECIFICATIONS

Identity Code	-			HD 1000	HD 1500	HD 2000	HD 2500		-
Thickness	EN 1849-2	mm		1.00	1.50	2.00	2,50		+/-10%
Mass per Unit Area	EN 1849-2	gr/m ²		1250	1410	1880	2350		
Tensile Strength at Yield	EN ISO 527	N/mm ²		> 15					
Elongation at Yield	EN ISO 527	%		> 10					
Tensile Strength at Break	EN ISO 527	N/mm ²		> 27					
Elongation at Break	EN ISO 527	%		> 400					
Static Puncture Strength	EN ISO 12236	kN		2400	3750	5000	6250		
Tearing Strength	ISO 34-1	N/mm		>125	> 125	> 125	> 125		
Shear Strength	ASTM D 6392	N/50mm		550	750	1000	1250		
Peel Strength	ASTM D 6392	N/50mm		435	525	700	875		
Textured Height ASTM D7466		mm		≥0,40					

MECHANICAL SPECIFICATIONS

Water Permeability	EN 14150	m ³ /m ² .day		< 4x10 ⁻⁶		-
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DURABILITY AND CHEMICAL RESISTANCE

Carbon Black Content	ASTM D 1603	%		2,00 - 3,00		-
Carbon Black Distribution	TS ISO 18553	Category		A1, A2, A3 B ≤ 3		-
Mass Melt Flow Rate (MFR)	TS EN ISO 1133	gr/10 min		0,10 – 1,00 2.16 kg 190 °C ; < 1 5.0 kg 190 °C ; < 3		+/-10%
Outdoor Resistance	EN 12224	%		< 30		+/-10%
Oxidation Resistance	EN 14575	%		< 30		+/-10%
Oxidative Induction Time	ASTM D 3895	minutes		> 150		
Fire Test	EN ISO 11925-2	-		Class E		+/-10%

PACKING SPECIFICATIONS

Roll Dimensions	Type		HD 1000	HD 1500	HD 2000	HD 2500			
	Area	m ² m ²		6,00*100 = 600		6,00*50 = 300			+/-10%
	Weight	kg/rolls	600	900	1200	750			

