



LLDPE Smooth

Geo-Shield LLDPE is produced from virgin polyethylene resins. It has outstanding flexibility and elongation characteristics. Geo-Shield LLDPE contains approximately 97.5% polymer and 2.5% carbon black, anti-oxidants and heat stabilizers, and contains no additives, fillers or extenders. Geo-Shield LLDPE does not contain plasticizers which can migrate to the surface, causing premature aging. Manufactured from virgin polyethylene resins, it is designed to provide a high quality, economical geomembrane.



Geo-Shield



Covering You
from the
Ground Up

Properties	Test Method	Typical Average Roll Values			
		Black	Black	Black	Black
Color		Black	Black	Black	Black
Thickness, mils	ASTM D5199	12	20	30	40
Density, gram/cm ³	ASTM D1505	.92	.92	.92	.92
Tensile Properties – Each Direction					
Tensile Strength at Break, lbs/in width (N/mm)	ASTM D638	43 (7)	76 (13)	114 (20)	152 (27)
Elongation at Break, %	ASTM D638	850	850	850	850
Tear Resistance, lbs (N)	ASTM D1004	6 (26)	11 (49)	16 (71)	22 (98)
Puncture Resistance, lbs (N)	ASTM D4833	18 (80)	31 (137)	46 (205)	62 (276)
Carbon Black, %	ASTM D1603	2	2	2	2
Carbon Black Dispersion	ASTM D5596	Note (1)	Note (1)	Note (1)	Note (1)

Note 1: 9 of 10 views shall be category 1 or 2. No more than 1 view from category 3.

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Covering You From The Ground Up

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