



HERCULINE SPECIFICATIONS LLDPE Smooth

Herculine LLDPE is produced from virgin polyethylene resins. It has outstanding flexibility and elongation characteristics. Herculine LLDPE contains approximately 97.5% polymer and 2.5% carbon black, anti-oxidants and heat stabilizers, and contains no additives, fillers or extenders. Herculine 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.

Properties	Test Method	Typical Average Roll Values			
		Black	Black	Black	Black
Color		Black	Black	Black	Black
Thickness, mils (minimum average) • Lowest Individual Value -10%	ASTM D5199	12	20	30	40
Density, gram/cm ³ (min.)	ASTM D1505	.92	.92	.92	.92
Tensile Properties – Each Direction • Tensile Strength at Break, lbs/in width (N/mm) • Elongation at Break, %	ASTM D6693 Type IV	43 (7) 800	76 (13) 800	114 (20) 800	152 (27) 800
Tear Resistance, lbs (N)	ASTM D1004	6 (26)	10 (47)	16 (71)	22 (98)
Puncture Resistance, lbs (N)	ASTM D4833	16 (70)	28 (124)	42 (190)	56 (250)
Carbon Black, % (minimum)	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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