



**HERCULINE SPECIFICATIONS  
60 mil HDPE Smooth**

Herculine High Density Polyethylene is produced from virgin polyethylene resins. Herculine HDPE has outstanding chemical resistance, mechanical properties, environmental stress crack resistance, dimensional stability, and thermal aging characteristics. Herculine HDPE contains approximately 97.5% polymer and 2.5% carbon black, antioxidants and heat stabilizers, and contains no other additives, fillers or extenders. Herculine HDPE has excellent UV resistance. Herculine HDPE 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.

<b>Properties</b>	<b>Test Method</b>	<b>Average Roll Values</b>
Color		Black
Thickness, mils – (minimum average) • Lowest Individual Value -10%	ASTM D5199	60
Density, gram/cm <sup>3</sup> - (min.)	ASTM D1505	.94
Tensile Properties – Each Direction	ASTM	
Tensile Strength at Break, lbs/in width	D6693 Type IV	228
Tensile Strength at Yield, lbs/in width	Dumbell, 2 ipm	126
Elongation at Break, %	G.L. 2.0 in	700
Elongation at Yield, %	G.L. 1.3 in	12
Tear Resistance, lbs.	ASTM D1004	42
Puncture Resistance, lbs.	ASTM D4833	108
Carbon Black, % (minimum)	ASTM D1603	2
Carbon Black Dispersion	ASTM D5596	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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