

## SuperGeo™ HD Smooth HDPE Nominal Product Specifications

Properties	Test Method	Minimum Average Values				
		12	20	30	40	60
Thickness*, (mil.) Lowest individual reading	ASTM D5199	11 9	18 16	27 24	36 32	54 49
Density, g/cm <sup>3</sup>	ASTM D1505	.940	.940	.940	.940	.940
Tensile Properties (Each Direction)	ASTM D6693, Type IV	Strength at Break (lbs.) (N/mm)	68 (12)	103 (18)	137 (24)	205 (36)
Strength at Yield (lbs.) (N/mm)		38 (6)	57 (10)	76 (14)	113 (20)	
Elongation at Break (%)		700	700	700	700	
Elongation at Yield (%)		12	12	12	12	
Tear Resistance (lbs.) (N)		6 (30)	12 (53)	19 (84)	25 (113)	38 (168)
Puncture Resistance (lbs.) (N)	ASTM D4833	17 (77)	31 (137)	49 (216)	65 (288)	97 (432)
Carbon Black Content (%) (Range)	ASTM D1603	2.0 – 3.0	2.0 – 3.0	2.0 – 3.0	2.0 – 3.0	2.0 – 3.0
Carbon Black Dispersion	ASTM D5596	Note (1)	Note (1)	Note (1)	Note (1)	Note (1)
<b>Standard Roll Dimensions</b>						
Roll Length (2), ft		1,850	1,330	1,210	910	600
Roll Width (2), ft		19	19	22	22	22
Roll Area, ft <sup>2</sup>		35,150	25,270	26,620	20,020	13,200

<sup>(1)</sup>9 of 10 views shall be Category 1 or 2. No more than 1 view from Category 3.

<sup>(2)</sup>Roll widths and lengths have a tolerance of ± 1%

\*Custom material thicknesses also available

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MILES CITY, MT  
 184 Hwy 59 N  
 Miles City, MT . 59301  
 800.488.3592  
 406.234.1680

MIDLAND, TX  
 11701 Co. Rd. 125 W  
 Midland, TX . 79711  
 800.583.6005  
 432.563.4005

PLEASANTON, TX  
 4300 S Hwy 281  
 Pleasanton, TX . 78064  
 830.569.4005

HOUSTON, TX  
 8615 Golden Spike Ln  
 Houston, TX . 77086  
 800.364.7688  
 281.272.1660



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