

SuperGeo™ LL Smooth LLDPE Nominal Product Specifications

Properties	Test Method	Frequency	Minimum Average Values				
			12 mil	20 mil	30 mil	40 mil	60 mil
Thickness, mil			11	18	27	36	54
Lowest individual reading	ASTM D5199	Per roll	9.2	16.2	24.3	32.4	48.6
Density, g/cm ³ (max)	ASTM D1505	200,000 lb	.939	.939	.939	.939	.939
Tensile Properties (Each Direction)	ASTM D6693, Type IV	20,000 lb					
Strength at Break, lb/in width (N/mm)			39 (6)	68 (12)	103 (18)	137 (24)	205 (36)
Elongation at Break, %			800	800	800	800	800
Tear Resistance, lb (N)	ASTM D1004	45,000 lb	5 (23)	10 (45)	14 (63)	20 (90)	27 (120)
Puncture Resistance, lb (N)	ASTM D4833	45,000 lb	14 (63)	25 (112)	38 (171)	50 (225)	72 (320)
Carbon Black Content, % (Range)	ASTM D1603	20,000 lb	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	45,000 lb	Note (1)	Note (1)	Note (1)	Note (1)	Note (1)
Standard Roll Dimensions							
Roll Length (2), ft			1,850	1,330	1,210	910	600
Roll Width (2), ft			19	19	22	22	22
Roll Area, ft ²			35,150	25,270	26,620	20,020	13,200

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

(2)Roll widths and lengths have a tolerance of ± 1%

*Custom material thicknesses also available

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