

Geomembrane Smooth Series 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 ³	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)
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

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. GeoCHEM, Inc. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.