



## Geomembrane Textured Nominal HDPE Product Specifications

This product can be textured on one or both sides

Properties	Test Method	Minimum Average Values			
		30 mil	40 mil	60 mil	80 mil
Thickness*, mil Lowest individual for 8 out of 10 values Lowest individual for any of 10 values	ASTM D 5994	nom.(-15%) -20% -25%	nom.(-15%) -20% -25%	nom.(-15%) -20% -25%	nom.(-15%) -20% -25%
Asperity Height <sup>(1)</sup> , mil	ASTM D 7466	10	10	10	10
Density, g/cm <sup>3</sup>	ASTM D 1505	.940	.940	.940	.940
Tensile Properties (Each Direction) Strength at Break, lb/in width (N/mm) Strength at Yield, lb/in width (N/mm) Elongation at Break, % Elongation at Yield, %	ASTM D 6693, Type IV	38 (6) 53 (9) 100 12	51 (8) 71 (12) 100 12	76 (13) 107 (18) 100 12	102 (17) 142 (24) 100 12
Tear Resistance, lb. (N )	ASTM D 1004	17 (79)	23 (106)	35 (158)	47 (211)
Puncture Resistance, lb. (N)	ASTM D 4833	38 (170)	51 (226)	76 (340)	102 (453)
Carbon Black Content, % (minimum)	ASTM D 1603	2.0	2.0	2.0	2.0
Carbon Black Dispersion	ASTM D 5596	Note <sup>(2)</sup>	Note <sup>(2)</sup>	Note <sup>(2)</sup>	Note <sup>(2)</sup>

<sup>(1)</sup> Of 10 readings; 8 out of 10 must be  $\geq 7$  mils, and lowest individual reading must be  $\geq 5$  mils.

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

\*Custom material thicknesses also available.

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