

**Table 1: Material Properties**

Property	Test Method	Nominal Value				Testing Frequency
		2.00 (80)	3.00 (120)	4.00 (160)	5.00 (200)	
Thickness, mm (mil)	ASTM D 5199	2.00 (80)	3.00 (120)	4.00 (160)	5.00 (200)	Every 5 <sup>th</sup> roll
Density, g/cm <sup>3</sup>	ASTM D 1505	0.94	0.94	0.94	0.94	1/100,000 ft <sup>2</sup>
Tensile Properties Strength@Yield, lb/in <sup>2</sup> (MPa) Elongation @ Break, %	ASTM D 6693 Type IV, Dumbbell G.L.= 2.0in (50 mm)	2,100 (14.5) 500	2,100 (14.5) 500	2,100 (14.5) 500	2,100 (14.5) 500	1/100,000 ft <sup>2</sup>
Stud Pull-Out Strength <sup>1</sup> , lb/ft <sup>2</sup> (kN/m <sup>2</sup> )		>14,000 (669.89)	>14,000 (669.89)	>14,000 (669.89)	>14,000 (669.89)	1/ product
Carbon Black Content/ Pigment Content, % Black Liner Gray Liner	ASTM D 1603, mod. ASTM D 5630, mod.	2-3 1.5 – 2.5	2-3 1.5 – 2.5	2-3 1.5 – 2.5	2-3 1.5 – 2.5	1/100,000 ft <sup>2</sup>
Carbon Black Dispersion <sup>2</sup>	ASTM D 5596	Note 2	Note 2	Note 2	Note 2	1/100,000 ft <sup>2</sup>
Notched Constant Tensile Load, hours	ASTM D 5397	400	400	400	400	1/ formulation
Coefficient of Linear Thermal Expansion, per °C	ASTM D 696	1.20E-04	1.20E-04	1.20E-04	1.20E-04	1/ product
Low Temperature Brittleness, °C	ASTM D 746	-77	-77	-77	-77	1/ product
Dimensional Stability, % (each direction)	ASTM D 1204	± 1.0	± 1.0	± 1.0	± 1.0	1/ product
Water Absorption, %	ASTM D 570	0.1	0.1	0.1	0.1	1/ product
Water Vapor Transmission, (g/m <sup>2</sup> /day)	ASTM E 96	<0.01	<0.01	<0.01	<0.01	1/ product

<sup>1</sup>Note: Concrete must have a compressive strength of at least 5,000 lb/in<sup>2</sup> (34,500 kPa).

<sup>2</sup>Note: Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be Category 1 or 2. No more than 1 view for category 3.

**Table 2: Raw Material Properties**

Property	Test Method	Value	Testing Frequency
Density, g/cm <sup>3</sup>	ASTM D 1505	0.932	1/ resin lot
Melt Flow, g/10 min	ASTM D 1238 (190/2.16)	≤ 1.0	1/ resin lot
OIT, minutes	ASTM D 3895 (1atm/200°C)	100	1/ formulation