



Geon™ Vinyl Rigid Extrusion L4067™

Polyvinyl Chloride Alloy

Key Characteristics

Product Description

Extrusion capstock compound for dark colors that is suitable for outdoor applications both horizontal and standard 45 degree and vertical exposures.

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Blush Resistant	• Weather Resistant	
Uses	• Capstock	• Decorative Railing	• Windows & Doors
Appearance	• Colors Available		
Forms	• Cube		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.28	1.28	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	323000 psi	2230 MPa	ASTM D638
Tensile Strength ² (Yield)	4580 psi	31.6 MPa	ASTM D638
Tensile Elongation ² (Break)	55 %	55 %	ASTM D638
Flexural Modulus ³	340000 psi	2340 MPa	ASTM D790
Flexural Strength ³ (Yield)	11500 psi	79.3 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
0.125 in (3.18 mm), Compression Molded	0.50 ft·lb/in	27 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C) ⁴	1.33 in·lb/mil	59.2 J/cm	
73°F (23°C) ⁵	> 4.00 in·lb/mil	> 178 J/cm	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 15 sec)	79	79	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load ⁶			ASTM D648
66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm)	141 °F	60.7 °C	
Deflection Temperature Under Load ⁷			ASTM D648
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	122 °F	49.9 °C	
CLTE - Flow	4.0E-5 in/in/°F	7.2E-5 cm/cm/°C	ASTM D696

Additional Information

Physical properties based on Geon L4067™ LHB Black 2880. Not capable of meeting UL 94. May meet HB rating.

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	360 to 380 °F	182 to 193 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

³ 2.0 in/min (51 mm/min)

⁴ Procedure A, .125"

⁵ Procedure B, .125"

⁶ Conditioned at 50 deg.C

⁷ Annealed at 50 deg.C



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