



Geon™ Vinyl Rigid Extrusion L6607

Rigid Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Vertical Blinds		
Appearance	• Colors Available		
Forms	• Cube		
Processing Method	• Extrusion		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.62	1.62	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	617000 psi	4250 MPa	ASTM D638
Tensile Strength ² (Yield)	4770 psi	32.9 MPa	ASTM D638
Flexural Modulus	592000 psi	4080 MPa	ASTM D790
Flexural Strength	10100 psi	69.6 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Drop Impact Resistance			ASTM D4226
73°F (23°C) ³	0.460 in·lb/mil	20.5 J/cm	
73°F (23°C) ⁴	0.460 in·lb/mil	20.5 J/cm	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 15 sec)	76	76	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm)	174 °F	78.9 °C	
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm)	176 °F	80.0 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	162 °F	72.2 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	174 °F	78.9 °C	
CLTE - Flow	2.7E-5 in/in/°F	4.9E-5 cm/cm/°C	ASTM D696

Additional Information
Physical properties based on Geon L6607 white 1363

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	360 to 370 °F	182 to 188 °C

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Notes

- ¹ Typical values are not to be construed as specifications.

- ² Type I, 0.20 in/min (5.1 mm/min)

- ³ Procedure A, C.125 Dart

- ⁴ Procedure B, C.125 Dart

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