



Geon™ Vinyl Rigid Extrusion L9620

Rigid Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Surface Finish	• High Gloss	
Uses	• Edge Banding	• Profiles	
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.34	1.34	ASTM D792
PVC Cell Classification	16344	16344	ASTM D1784
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	371000 psi	2560 MPa	ASTM D638
Tensile Strength ² (Yield)	6470 psi	44.6 MPa	ASTM D638
Flexural Modulus	365000 psi	2520 MPa	ASTM D790
Flexural Strength	10800 psi	74.6 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	27 ft·lb/in	1400 J/m	
Across Flow : 73°F (23°C), 0.125 in (3.18 mm), Compression Molded	15 ft·lb/in	810 J/m	
Flow : 73°F (23°C), 0.125 in (3.18 mm), Compression Molded	18 ft·lb/in	980 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C) ³	1.35 in·lb/mil	60.1 J/cm	
73°F (23°C) ⁴	3.88 in·lb/mil	173 J/cm	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 15 sec)	80	80	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	163 °F	72.8 °C	
CLTE - Flow	4.1E-5 in/in/°F	7.4E-5 cm/cm/°C	ASTM D696
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.0591 in (1.50 mm), ALL)	V-0	V-0	UL 94
Additional Information	Typical Value (English)	Typical Value (SI)	
Ease of Sizing	Acceptable	Acceptable	

Note: The Cell Classification was determined using the notched Izod test with injection molded samples.

Processing Information

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