



# Geon™ Vinyl Rigid Extrusion LR620 white 1046

## Rigid Polyvinyl Chloride

### Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Recycled Content	• Yes		
Features	• General Purpose		
Uses	• Building Materials	• Profiles	
Forms	• Cube		

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.46	1.46	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus <sup>2</sup>	437000 psi	3010 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	5900 psi	40.7 MPa	ASTM D638
Flexural Modulus <sup>3</sup>	352000 psi	2430 MPa	ASTM D790
Flexural Strength <sup>3</sup> (Yield)	9630 psi	66.4 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm), Compression Molded	3.0 ft·lb/in	160 J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
-- <sup>4</sup>	1.44 in·lb/mil	64.1 J/cm	
-- <sup>5</sup>	1.78 in·lb/mil	79.2 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 66 psi (0.45 MPa), Unannealed	170 °F	76.4 °C	ASTM D648
Deflection Temperature Under Load 66 psi (0.45 MPa), Annealed	173 °F	78.5 °C	ASTM D648
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	163 °F	72.7 °C	ASTM D648
Deflection Temperature Under Load 264 psi (1.8 MPa), Annealed	170 °F	76.6 °C	ASTM D648
CLTE - Flow	3.5E-5 in/in/°F	6.3E-5 cm/cm/°C	ASTM D696

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Type I, 0.20 in/min (5.1 mm/min)

<sup>3</sup> 0.50 in/min (13 mm/min)

<sup>4</sup> Procedure A

<sup>5</sup> Procedure B

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