



Geon™ Vinyl Rigid Extrusion LR610 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 ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.50	1.50	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	483000 psi	3330 MPa	ASTM D638
Tensile Strength ² (Yield)	5720 psi	39.4 MPa	ASTM D638
Flexural Modulus	408000 psi	2810 MPa	ASTM D790
Flexural Strength (Yield)	10300 psi	71.0 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Drop Impact Resistance			ASTM D4226
-- ³	0.870 in·lb/mil	38.7 J/cm	
-- ⁴	0.870 in·lb/mil	38.7 J/cm	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 73°F (23°C))	80	80	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	173 °F	78.4 °C	ASTM D648
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	166 °F	74.3 °C	ASTM D648
CLTE - Flow	3.4E-5 in/in/°F	6.1E-5 cm/cm/°C	ASTM D696

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

⁴ Procedure B