



# Geon™ Vinyl Rigid Extrusion 87548

## Rigid Polyvinyl Chloride

### Key Characteristics

Product Description			
A transparent PVC profile compound, with inherent "water clear" optical characteristics.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Impact Resistance		
Uses	• Profiles		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion		

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.33	1.33	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus <sup>2</sup>	405000 psi	2790 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	7740 psi	53.4 MPa	ASTM D638
Flexural Modulus	412000 psi	2840 MPa	ASTM D790
Flexural Strength	12800 psi	88.5 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	21 ft·lb/in	1100 J/m	
Across Flow : 73°F (23°C), 0.125 in (3.18 mm), Compression Molded	11 ft·lb/in	570 J/m	
Flow : 73°F (23°C), 0.125 in (3.18 mm), Compression Molded	2.6 ft·lb/in	140 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C) <sup>3</sup>	1.17 in·lb/mil	52.0 J/cm	
73°F (23°C) <sup>4</sup>	3.88 in·lb/mil	173 J/cm	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 15 sec)	82	82	ASTM D2240

### Processing Information

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

#### 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> Procedure A, C.125 Dart

<sup>4</sup> Procedure B, C.125 Dart