



# Geon™ Vinyl Dry Blend E6755

## Rigid Polyvinyl Chloride

### Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Thermal Stability • High Impact Resistance		
Uses	• Automotive Interior Parts • Profiles • Fencing & Decking • Sheet		
Forms	• Powder		
Processing Method	• Extrusion • Profile Extrusion		

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.42	1.42	ASTM D1638
PVC Cell Classification	16353	16353	ASTM D1784
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus <sup>2</sup>	400000 psi	2760 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	6540 psi	45.1 MPa	ASTM D638
Flexural Modulus	408000 psi	2810 MPa	ASTM D790
Flexural Strength	11900 psi	82.0 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	20 ft·lb/in	1100 J/m	ASTM D256A
Drop Impact Resistance 73°F (23°C) <sup>3</sup>	1.24 in·lb/mil	55.2 J/cm	ASTM D4226
73°F (23°C) <sup>4</sup>	5.50 in·lb/mil	245 J/cm	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	82	82	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	156 °F	69.0 °C	ASTM D648
CLTE - Flow	3.6E-5 in/in/°F	6.5E-5 cm/cm/°C	ASTM D696

### Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	380 to 410 °F	193 to 210 °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

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