



# Geon™ Vinyl Dry Blend E7364

## Rigid Polyvinyl Chloride

### Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Impact Resistance		
Uses	• Building Materials	• Fencing & Decking	• Outdoor Applications
Forms	• Powder		
Processing Method	• Extrusion	• Profile Extrusion	

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.46	1.46	ASTM D792
PVC Cell Classification	1-41444-33-0101	1-41444-33-0101	ASTM D4216
PVC Cell Classification	16354	16354	ASTM D1784
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus <sup>2</sup>	420000 psi	2900 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	6650 psi	45.9 MPa	ASTM D638
Flexural Modulus	430000 psi	2960 MPa	ASTM D790
Flexural Strength	13000 psi	89.6 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact - Across Flow 73°F (23°C), 0.125 in (3.18 mm), Compression Molded	20 ft·lb/in	1000 J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
73°F (23°C) <sup>3</sup>	1.10 in·lb/mil	48.9 J/cm	
73°F (23°C) <sup>4</sup>	5.00 in·lb/mil	222 J/cm	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	80	80	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)	165 °F	73.9 °C	ASTM D648
CLTE - Flow	3.4E-5 in/in/°F	6.0E-5 cm/cm/°C	ASTM D696
Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
AAMA 303	Pass	Pass	ASTM D4726

### Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	380 to 400 °F	193 to 204 °C

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**Notes**

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

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

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- <sup>3</sup> Procedure A, C.125 Dart

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

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