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 [1]

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 [2]	420000 psi	2900 MPa	ASTM D638
Tensile Strength [2] (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			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Compression Molded	20 ft·lb/in	1000 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C) [3]	1.10 in·lb/mil	48.9 J/cm	
73°F (23°C) [4]	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			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	165 °F	73.9 °C	
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

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, C.125 Dart

[4] Procedure B, C.125 Dart

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