



Geon™ Vinyl Dry Blend E7370

Rigid Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Flow	• High Impact Resistance	
Uses	• Fencing & Decking	• Outdoor Applications	
Agency Ratings	• CSA A440-M90		
Forms	• Powder		
Processing Method	• Extrusion	• Profile Extrusion	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.46	1.46	ASTM D792
PVC Cell Classification	1-42444-43-0121	1-42444-43-0121	ASTM D4216
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	448000 psi	3090 MPa	ASTM D638
Tensile Strength ² (Yield)	6500 psi	44.8 MPa	ASTM D638
Flexural Modulus	401000 psi	2760 MPa	ASTM D790
Flexural Strength	12100 psi	83.4 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	1100 J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
32°F (0°C) ³	1.50 in·lb/mil	66.7 J/cm	
73°F (23°C) ³	1.70 in·lb/mil	75.6 J/cm	
73°F (23°C) ⁴	4.00 in·lb/mil	178 J/cm	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	81	81	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)	171 °F	77.2 °C	ASTM D648
CLTE - Flow	3.7E-5 in/in/°F	6.6E-5 cm/cm/°C	ASTM D696
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating	V-0	V-0	UL 94
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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