

Geon[™] Vinyl Dry Blend E7130 Rigid Polyvinyl Chloride

Key Characteristics

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

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Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.45	1.45 g/cm ³	ASTM D792
PVC Cell Classification	1-42444-33- 0101	1-42444-33- 0101	ASTM D4216
PVC Cell Classification	16354	16354	ASTM D1784
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	430000 psi	2970 MPa	ASTM D638
Tensile Strength ² (Yield)	6850 psi	47.2 MPa	ASTM D638
Flexural Modulus	422000 psi	2910 MPa	ASTM D790
Flexural Strength	12700 psi	87.4 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	23 ft·lb/in	1200 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C) ³	1.60 in Ib/mil	71.2 J/cm	
73°F (23°C) ⁴	3.50 in Ib/mil	156 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			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	165 °F	73.9 °C	
CLTE - Flow	0.000036 in/in/°F	0.000065 cm/cm/°C	ASTM D696
Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
AAMA 303	Pass	Pass	ASTM D4726
	Processing Informat	tion	
Extrusion	Typical Value (English)	Typical Value (SI)	

Melt Temperature

380 to 400 °F

193 to 204 °C

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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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