

PolyOne Geon™ Vinyl Dry Blend E7130 Polyvinyl Chloride, Rigid (PVC, Rigid)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Rigid Grade

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Dry-Blend-E7130-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	ASTM D2240
Tensile Strength, Yield	47.2 MPa	6850 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.97 GPa	431 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	87.4 MPa	12700 psi	ASTM D790
Flexural Modulus	2.91 GPa	422 ksi	ASTM D790
Izod Impact, Notched	12.0 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	22.5 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Compression Molded, Across Flow; ASTM D256A
Dart Drop Total Energy	71.2 J/cm @Temperature 23.0 °C	0.133 ft-lb/mil @Temperature 73.4 °F	Procedure A, C.125; ASTM D4226
	156 J/cm @Temperature 23.0 °C	0.292 ft-lb/mil @Temperature 73.4 °F	Procedure B, C.125; ASTM D4226

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	65.0 µm/m-°C	36.1 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	73.9 °C @Thickness 3.18 mm	165 °F @Thickness 0.125 in	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
AAMA 303	Pass	ASTM D4726

Descriptive Properties Features	Value High Impact Resistance	Comments
Forms	Powder	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Extrusion	
	Profile Extrusion	
PVC Cell Classification	1-42444-33-0101	ASTM D4216
	16354	ASTM D1784
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Building Materials	
	Fencing & Decking	
	Outdoor Applications	

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