

PolyOne Geon™ Vinyl Dry Blend E7000 Polyvinyl Chloride, Rigid (PVC, Rigid)

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

Material Notes:

60 degree gloss comparisons: Geon E7000 is 47-49; Geon E7456 is 40-49; Geon E7130 is 38-43; Geon E7370 is 26-31 Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Dry-Blend-E7000-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	79	79	ASTM D2240
Tensile Strength, Yield	45.0 MPa	6530 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.65 GPa	384 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	82.0 MPa	11900 psi	ASTM D790
Flexural Modulus	2.78 GPa	403 ksi	ASTM D790
Izod Impact, Notched	1.80 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	3.37 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Compression Molded, Across Flow; ASTM D256A
Dart Drop Total Energy	66.7 J/cm @Temperature 23.0 °C	0.125 ft-lb/mil @Temperature 73.4 °F	Procedure A, C.125; ASTM D4226
	178 J/cm @Temperature 23.0 °C	0.333 ft-lb/mil @Temperature 73.4 °F	Procedure B, C.125; ASTM D4226

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	64.0 µm/m-°C	35.6 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	78.9 °C @Thickness 3.18 mm	174 °F @Thickness 0.125 in	Unannealed; ASTM D648
	81.1 °C @Thickness 3.18 mm	178 °F @Thickness 0.125 in	Annealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	73.9 °C @Thickness 3.18 mm	165 °F @Thickness 0.125 in	Unannealed; ASTM D648

Thermal Properties	Metric	English	Comments
	@Thickness 3.18 mm	@Thickness 0.125 in	Annealed, ASTM D648

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

Descriptive Properties	Value	Comments
Features	High Impact Resistance	
Forms	Powder	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Extrusion	
	Profile Extrusion	
PVC Cell Classification	1-32443-43-0000	ASTM D4216
	13344	ASTM D1784
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Outdoor Applications	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China