

PolyOne Geon™ Vinyl Dry Blend E6001 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-E6001-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.54 g/cc	1.54 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84	84	ASTM D2240
Tensile Strength, Yield	38.2 MPa	5540 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	3.72 GPa	540 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	79.5 MPa	11500 psi	ASTM D790
Flexural Modulus	3.72 GPa	540 ksi	ASTM D790
Dart Drop Total Energy	22.2 J/cm @Temperature 23.0 °C	0.0416 ft-lb/mil @Temperature 73.4 °F	Procedure A, C.125; ASTM D4226

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	54.0 µm/m-°C	30.0 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	72.2 °C @Thickness 3.18 mm	162 °F @Thickness 0.125 in	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	191 - 199 °C	376 - 390 °F	

Descriptive Properties	Value	Comments
Features	High Flow	
Forms	Powder	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Extrusion	

Descriptive Properties	Value Profile Extrusion	Comments
PVC Cell Classification	10264	ASTM D1784
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Vertical Blinds	

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