

## PolyOne Geon™ Vinyl Dry Blend E6755 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-E6755-Polyvinyl-Chloride-Rigid-PVC-Rigid.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Dry-Blend-E6755-Polyvinyl-Chloride-Rigid-PVC-Rigid.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D1638

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	ASTM D2240
Tensile Strength, Yield	45.1 MPa	6540 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.76 GPa	400 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	82.0 MPa	11900 psi	ASTM D790
Flexural Modulus	2.81 GPa	408 ksi	ASTM D790
Izod Impact, Notched	11.0 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	20.6 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Compression Molded; ASTM D256A
Dart Drop Total Energy	55.2 J/cm @Temperature 23.0 °C	0.103 ft-lb/mil @Temperature 73.4 °F	Procedure A, C.125; ASTM D4226
	245 J/cm @Temperature 23.0 °C	0.459 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)	69.0 °C @Thickness 3.18 mm	156 °F @Thickness 0.125 in	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 210 °C	379 - 410 °F	

Descriptive Properties	Value	Comments
Features	Good Thermal Stability	

Descriptive Properties	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	16353	ASTM D1784
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Automotive Interior Parts	
	Fencing & Decking	
	Profiles	
	Sheet	

## Contact Songhan Plastic Technology Co.,Ltd.

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