

## PolyOne Geon™ Vinyl Cellular E8202 Polyvinyl Chloride, Rigid (PVC, Rigid)

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

### Material Notes:

All physicals were measured on an actual extruded part of a shutter profile.High rate inward foam applications.Density range .55-.70.Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Cellular-E8202-Polyvinyl-Chloride-Rigid-PVC-Rigid.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Cellular-E8202-Polyvinyl-Chloride-Rigid-PVC-Rigid.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.707 g/cc	0.707 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	15 sec; ASTM D2240
Tensile Modulus	1.26 GPa	183 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	33.0 MPa	4790 psi	ASTM D790
Flexural Modulus	1.81 GPa	263 ksi	ASTM D790
Izod Impact, Notched	0.430 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.806 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Compression Molded; ASTM D256A
Dart Drop Total Energy	20.9 J/cm @Temperature 23.0 °C	0.0392 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	50.0 µm/m-°C	27.8 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	62.0 °C @Thickness 3.18 mm	144 °F @Thickness 0.125 in	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 191 °C	360 - 376 °F	

Descriptive Properties	Value	Comments
Features	Foamable	

Descriptive Properties	Value	Comments
	Powder	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Building Materials	
	Outdoor Applications	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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