

## PolyOne Geon™ Vinyl Rigid Extrusion L4230 Polyvinyl Chloride, Rigid (PVC, Rigid)

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

### Material Notes:

Extrusion capstock for darker colors. This product is not recommended for horizontal, outdoor applications. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Rigid-Extrusion-L4230-Polyvinyl-Chloride-Rigid-PVC-Rigid.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Rigid-Extrusion-L4230-Polyvinyl-Chloride-Rigid-PVC-Rigid.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	10 sec; ASTM D2240
Tensile Strength, Yield	42.1 MPa	6110 psi	Type I, 51 mm/min; ASTM D638
Tensile Modulus	2.24 GPa	325 ksi	Type I, 51 mm/min; ASTM D638
Flexural Strength	66.9 MPa	9700 psi	ASTM D790
Flexural Modulus	2.34 GPa	339 ksi	ASTM D790
Izod Impact, Notched	5.30 J/cm	9.93 ft-lb/in	Injection Molded; ASTM D256A
	@Temperature -10.0 °C	@Temperature 14.0 °F	
	9.60 J/cm	18.0 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	140 µm/m-°C	77.8 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	76.1 °C	169 °F	Annealed; ASTM D648
	@Treatment Temp. 50.0 °C, Thickness 3.18 mm	@Treatment Temp. 122 °F, Thickness 0.125 in	
	78.9 °C	174 °F	Annealed; ASTM D648
	@Treatment Temp. 60.0 °C, Thickness 3.18 mm	@Treatment Temp. 140 °F, Thickness 0.125 in	
Deflection Temperature at 1.8 MPa (264 psi)	72.8 °C	163 °F	Compression Molded, Annealed at 50 deg.C; ASTM D648

Thermal Properties	@Thickness 3.18 mm Metric	@Thickness 0.125 in English	Comments
	77.8 °C	172 °F	Compression Molded, Annealed at 60 deg.C; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 193 °C	360 - 379 °F	
	199 - 210 °C	390 - 410 °F	

Descriptive Properties	Value	Comments
Appearance	Colors Available	
Features	High Gloss	
	High Impact Resistance	
Forms	Cube	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Capstock	
	Construction Applications	
	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