

## PolyOne Geon™ HTX 92052 Polyvinyl Chloride Alloy (PVC Alloy)

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-HTX-92052-Polyvinyl-Chloride-Alloy-PVC-Alloy.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-HTX-92052-Polyvinyl-Chloride-Alloy-PVC-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	15 sec; ASTM D2240
Tensile Strength, Yield	41.3 MPa	5990 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.90 GPa	421 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	76.5 MPa	11100 psi	ASTM D790
Flexural Modulus	2.83 GPa	410 ksi	ASTM D790
Izod Impact, Notched	0.880 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	1.65 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Compression Molded; ASTM D256A
Dart Drop Total Energy	67.2 J/cm @Temperature 23.0 °C	0.126 ft-lb/mil @Temperature 73.4 °F	Procedure A, C.125; ASTM D4226
	67.2 J/cm @Temperature 23.0 °C	0.126 ft-lb/mil @Temperature 73.4 °F	Procedure B, C.125; ASTM D4226

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	67.0 µm/m-°C	37.2 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	87.8 °C @Thickness 3.18 mm	190 °F @Thickness 0.125 in	Unannealed; ASTM D648
	91.7 °C @Thickness 3.18 mm	197 °F @Thickness 0.125 in	Annealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	81.1 °C @Thickness 3.18 mm	178 °F @Thickness 0.125 in	Unannealed; ASTM D648
	85.0 °C	185 °F	

Thermal Properties	Metric @ Thickness 3.18 mm	English @ Thickness 0.125 in	Comments Annealed: ASTM D648
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Processing Properties	Metric	English	Comments
Melt Temperature	182 - 193 °C	360 - 379 °F	

Descriptive Properties	Value	Comments
Ease of Sizing	Acceptable	
Forms	Cube	
Generic Material	PVC Alloy	
Generic Name	Polyvinyl Chloride Alloy (PVC Alloy)	
Processing Method	Extrusion	
PVC Cell Classification	13255	ASTM D1784
	4-22224-53-0000	ASTM D4216
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Outdoor Applications	
	Profiles	

## Contact Songhan Plastic Technology Co.,Ltd.

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