

## PolyOne Geon™ Vinyl Rigid Molding MR900 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-Rigid-Molding-MR900-Polyvinyl-Chloride-Rigid-PVC-Rigid.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Rigid-Molding-MR900-Polyvinyl-Chloride-Rigid-PVC-Rigid.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	ASTM D955
Spiral Flow	66.0 cm	26.0 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	ISO 868
Tensile Strength, Yield	55.6 MPa	8060 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	15 %	15 %	Type I, 51 mm/min; ASTM D638
Tensile Modulus	3.13 GPa	454 ksi	Type I, 51 mm/min; ASTM D638
Flexural Strength	88.5 MPa	12800 psi	ASTM D790
Flexural Modulus	3.16 GPa	458 ksi	ASTM D790
Izod Impact, Notched	1.10 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	2.06 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	72.8 °C	163 °F	Annealed; ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
Deflection Temperature at 1.8 MPa (264 psi)	73.9 °C	165 °F	Unannealed; ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
Deflection Temperature at 0.46 MPa (66 psi)	68.9 °C	156 °F	Annealed; ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	Unannealed; ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	

Thermal Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	199 - 204 °C	390 - 399 °F	

Descriptive Properties	Value	Comments
Forms	Pellets	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Recycled Content	Yes	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

## Contact Songhan Plastic Technology Co.,Ltd.

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