

## PolyOne Geon™ Vinyl Fittings 87322 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-Fittings-87322-Polyvinyl-Chloride-Rigid-PVC-Rigid.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Fittings-87322-Polyvinyl-Chloride-Rigid-PVC-Rigid.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	ASTM D955
Spiral Flow	78.7 cm	31.0 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	83	83	ASTM D2240
Tensile Strength, Yield	45.5 MPa	6600 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	110 %	110 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.76 GPa	400 ksi	Type I, 51 mm/min; ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	2.90 GPa	421 ksi	ASTM D790
Izod Impact, Notched	0.850 J/cm	1.59 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature -18.0 °C	@Thickness 0.125 in, Temperature -0.400 °F	
	11.0 J/cm	20.6 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
Deflection Temperature at 1.8 MPa (264 psi)	72.2 °C	162 °F	Unannealed; ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
	77.8 °C	172 °F	Annealed; ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	
Flammability, UL94	V-0	V-0	UL 94

Processing Properties	Metric	English	Comments
Melt Temperature	199 - 210 °C	390 - 410 °F	

Descriptive Properties	Value	Comments
Agency Ratings	NSF 14	
	NSF 61	
	NSF Type II	
Features	High Impact Resistance	
	Medium Flow	
Forms	Pellets	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Injection Molding	
PVC Cell Classification	16354	ASTM D1784
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Construction Applications	

## Contact Songhan Plastic Technology Co.,Ltd.

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