

## PolyOne Geon™ Vinyl Fittings 211 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-211-Polyvinyl-Chloride-Rigid-PVC-Rigid.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Fittings-211-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

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	81	81	ASTM D2240
Tensile Strength, Yield	49.0 MPa	7110 psi	Type I, 51 mm/min; ASTM D638
Tensile Modulus	2.79 GPa	405 ksi	Type I, 51 mm/min; ASTM D638
Flexural Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	2.83 GPa	410 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	1.50 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	71.1 °C @Thickness 6.35 mm	160 °F @Thickness 0.250 in	Unannealed; ASTM D648

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 I	
Features	Medium Flow	

Forms Descriptive Properties	Pellets Value	Comments
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Injection Molding	
PVC Cell Classification	12454	ASTM D1784
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Fittings	

## Contact Songhan Plastic Technology Co.,Ltd.

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