

PolyOne Geon™ CPVC MC550 Polyvinyl Chloride, Chlorinated (CPVC)

Category : Polymer , Thermoplastic , Vinyl (PVC) , Chlorinated PVC (CPVC)

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-CPVC-MC550-Polyvinyl-Chloride-Chlorinated-CPVC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.53 g/cc	1.53 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength, Yield	48.7 MPa @Temperature 23.0 °C	7060 psi @Temperature 73.4 °F	ASTM D638
Tensile Modulus	2.52 GPa @Temperature 23.0 °C	365 ksi @Temperature 73.4 °F	Yield; ASTM D638
Flexural Yield Strength	84.8 MPa	12300 psi	ASTM D790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D790
Izod Impact, Notched	1.30 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	2.44 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256
Izod Impact, Notched (ISO)	2.31 kJ/m ² @Thickness 3.18 mm, Temperature 0.000 °C	1.10 ft-lb/in ² @Thickness 0.125 in, Temperature 32.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	Annealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	91.0 °C	196 °F	Annealed; ASTM D648
Vicat Softening Point	98.0 °C	208 °F	Method A 98°C.; ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 207 °C	392 - 405 °F	

Descriptive Properties	Value	Comments
Agency Ratings	UL 94	Pass V-0 - Not Listed
Forms	Pellets	
Generic Material	CPVC	
Generic Name	Polyvinyl Chloride, Chlorinated (CPVC)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Outdoor Applications	

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