

## PolyOne Geon™ CPVC MC500 Polyvinyl Chloride, Chlorinated (CPVC)

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

### Material Notes:

The Geon MC500 CPVC is an injection molding fittings compound for Industrial Pipe applications where enhanced resistance at elevated temperatures is needed. Geon MC500 demonstrates superior processability and excellent thermal stability. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-CPVC-MC500-Polyvinyl-Chloride-Chlorinated-CPVC.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-CPVC-MC500-Polyvinyl-Chloride-Chlorinated-CPVC.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Yield	55.2 MPa @Temperature 23.0 °C	8010 psi @Temperature 73.4 °F	ASTM D638
Tensile Modulus	2.99 GPa @Temperature 23.0 °C	434 ksi @Temperature 73.4 °F	ASTM D638
Flexural Yield Strength	103 MPa	14900 psi	ASTM D790
Flexural Modulus	3.38 GPa	490 ksi	ASTM D790
Izod Impact, Notched	0.960 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	1.80 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	Annealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	198 - 210 °C	388 - 410 °F	

Descriptive Properties	Value	Comments
Forms	Pellets	
Generic Material	CPVC	
Generic Name	Polyvinyl Chloride, Chlorinated (CPVC)	

Processing Method Descriptive Properties	Injection Molding Value	Comments
PVC Cell Classification	23447	ASTM D1784
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Fittings	
	Industrial Applications	

## Contact Songhan Plastic Technology Co.,Ltd.

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