

# Geon™ CPVC MC500

Chlorinated Polyvinyl Chloride

PolyOne Corporation

## Message:

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.

General Information			
Uses	Fittings		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm <sup>3</sup>	ASTM D792
PVC Cell Classification	23447		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2990	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	55.2	MPa	ASTM D638
Flexural Modulus	3380	MPa	ASTM D790
Flexural Strength (Yield)	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	100	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	198 to 210	°C	

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