



# Geon™ CPVC MC250

## Chlorinated Polyvinyl Chloride

### Key Characteristics

#### Product Description

The Geon MC250 CPVC is an injection molding fittings compound for Industrial Pipe applications where enhanced resistance at elevated temperatures is needed. It is listed under NSF Std 14 and 61. Geon MC250 demonstrates ease of processing and excellent thermal stability.

#### General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Fittings • Industrial Applications		
Agency Ratings	• NSF 14	• NSF 61	• UL 94 <sup>1</sup>
Forms	• Pellets		
Processing Method	• Injection Molding		

### Technical Properties<sup>2</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.50	1.50	ASTM D792
PVC Cell Classification	23447	23447	ASTM D1784
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	439000 psi	3030 MPa	ASTM D638
Tensile Strength (Yield, 73°F (23°C))	8100 psi	55.8 MPa	ASTM D638
Flexural Modulus	508000 psi	3500 MPa	ASTM D790
Flexural Strength (Yield)	15600 psi	108 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm)	2.1 ft-lb/in	110 J/m	ASTM D256
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Rockwell Hardness (R-Scale)	117	117	ASTM D785
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Annealed	217 °F	103 °C	ASTM D648

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	388 to 410 °F	198 to 210 °C

#### Notes

<sup>1</sup> Pass - Not Listed

<sup>2</sup> Typical values are not to be construed as specifications.

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