



Geon™ CPVC MC280 Silver 2536

Chlorinated Polyvinyl Chloride

Key Characteristics

Product Description

The Geon MC280 Silver 2536 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 MC280 Silver 2536 demonstrates superior processability 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 STD-14	• NSF STD-61	• UL 94 ¹
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties²

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.49	1.49	ASTM D792
PVC Cell Classification	23447	23447	ASTM D1784
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ³			ASTM D638
73°F (23°C), 0.125 in (3.18 mm)	486000 psi	3350 MPa	
Tensile Strength ³			ASTM D638
Yield, 73°F (23°C), 0.125 in (3.18 mm)	8090 psi	55.8 MPa	
Flexural Modulus	543000 psi	3740 MPa	ASTM D790
Flexural Strength (Yield)	15500 psi	107 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact ⁴			ASTM D256
73°F (23°C), 0.125 in (3.18 mm)	3.6 ft-lb/in	190 J/m	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Annealed	214 °F	101 °C	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	160 °F	71 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Processing (Melt) Temp	388 to 410 °F	198 to 210 °C

Notes

¹ Pass - Not Listed

² Typical values are not to be construed as specifications.

³ 0.20 in/min (5.1 mm/min)

⁴ Compression Molded bars