



Geon™ CPVC MC4911

Chlorinated Polyvinyl Chloride

Key Characteristics

Product Description			
The Geon MC4911 is a CPVC compound for injection molding applications.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Industrial Applications		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.53	1.53	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	366000 psi	2520 MPa	ASTM D638
Tensile Strength (Yield, 73°F (23°C))	7190 psi	49.6 MPa	ASTM D638
Flexural Strength (Yield)	12900 psi	89.0 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)	3.0 ft·lb/in	160 J/m	ASTM D256
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	76	76	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Annealed	173 °F	78.5 °C	ASTM D648

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	390 to 420 °F	199 to 216 °C

Notes

¹ Typical values are not to be construed as specifications.