



# 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<sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
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

<sup>1</sup> Typical values are not to be construed as specifications.

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**CONTACT INFORMATION****Americas**

United States - Avon Lake  
+1 440 930 1000

United States - McHenry  
+1 815 385 8500

**Asia**

China - Guangzhou  
+86 20 8732 7260

China - Shenzhen  
+86 755 2969 2888

China - Suzhou  
+86 512 6823 24 38

China - Suzhou  
+86 512 6265 2600

Hong Kong -  
+852 2690 5332

Taiwan - Yonghe City,  
+886 9396 99740, +886 2929 1849

**Europe**

Germany - Gaggenau  
+49 7225 6802 0

Spain - Barbastro (Huesca)  
+34 974 310 314



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www.polyone.com

**PolyOne Americas**

33587 Walker Road  
Avon Lake, Ohio 44012  
United States  
+1 440 930 1000  
+1 866 POLYONE

**PolyOne Asia**

No. 88 Guoshoujing Road  
Z.J Hi-tech Park, Pudong  
Shanghai, 201203, China  
+86 21 5080 1188

**PolyOne Europe**

6 Giällewee  
+352 269 050 35

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