



Geon™ CPVC EC920

Chlorinated Polyvinyl Chloride

Key Characteristics

Product Description

The Geon EC920 CPVC is an extrusion compound for CTS Pipe applications where enhanced resistance at elevated temperatures is needed. It possesses superior impact resistance. It is listed under NSF Std 14 and 61. Geon EC920 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	• Building Materials	• Piping	• Plumbing Parts
Agency Ratings	• NSF STD-14	• NSF STD-61	• UL 94
Forms	• Powder		
Processing Method	• Extrusion	• Pipe Extrusion	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.51	1.51	ASTM D792
PVC Cell Classification	24448	24448	ASTM D1784
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	385000 psi	2650 MPa	ASTM D638
Tensile Strength (Yield, 73°F (23°C))	7300 psi	50.3 MPa	ASTM D638
Flexural Modulus	390000 psi	2690 MPa	ASTM D790
Flexural Strength (Yield)	13000 psi	89.6 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)	9.0 ft-lb/in	480 J/m	ASTM D256
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Rockwell Hardness (R-Scale)	117	117	ASTM D785
Durometer Hardness (Shore D)	84	84	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Annealed	232 °F	111 °C	ASTM D648
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating	V-0	V-0	UL 94

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	388 to 410 °F	198 to 210 °C

Notes

¹ Typical values are not to be construed as specifications.