

Geon™ CPVC EC920

Chlorinated Polyvinyl Chloride

PolyOne Corporation

Message:

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 Information			
Uses	Building Materials		
	Piping		
	Plumbing Parts		
Agency Ratings	NSF 14		
	NSF 61		
	UL 94		
Forms	Powder		
Processing Method	Extrusion		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
PVC Cell Classification	24448		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Durometer Hardness (Shore D)	84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2650	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	50.3	MPa	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength (Yield)	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	480	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	111	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Extrusion	Nominal Value	Unit	
Melt Temperature	198 to 210	°C	

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