

PolyOne Geon™ CPVC EC900 Polyvinyl Chloride, Chlorinated (CPVC)

Category : Polymer , Thermoplastic , Vinyl (PVC) , Chlorinated PVC (CPVC)

Material Notes:

The Geon EC900 CPVC is an extrusion compound for CTS Pipe applications where enhanced resistance at elevated temperatures is needed. It is listed under NSF Std 14 and 61. Geon EC900 demonstrates ease of processing and excellent thermal stability. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-CPVC-EC900-Polyvinyl-Chloride-Chlorinated-CPVC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Hardness, Shore D	84	84	ASTM D2240
Tensile Strength, Yield	49.0 MPa @Temperature 23.0 °C	7110 psi @Temperature 73.4 °F	ASTM D638
Tensile Modulus	2.59 GPa @Temperature 23.0 °C	376 ksi @Temperature 73.4 °F	ASTM D638
Flexural Yield Strength	91.7 MPa	13300 psi	ASTM D790
Flexural Modulus	2.70 GPa	392 ksi	ASTM D790
Izod Impact, Notched	4.50 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	8.43 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	Annealed; ASTM D648
Flammability, UL94	V-0	V-0	UL 94

Processing Properties	Metric	English	Comments
Melt Temperature	198 - 210 °C	388 - 410 °F	

Descriptive Properties	Value	Comments
Agency Ratings	NSF 14	

Descriptive Properties	Value	Comments
	UL 94	
Forms	Powder	
Generic Material	CPVC	
Generic Name	Polyvinyl Chloride, Chlorinated (CPVC)	
Processing Method	Extrusion	
	Pipe Extrusion	
PVC Cell Classification	24447	ASTM D1784
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Building Materials	
	Piping	
	Plumbing Parts	

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