

Geon™ CPVC Geon™ CPVC LC110

Chlorinated Polyvinyl Chloride

PolyOne Corporation

Message:

Geon MC100 CPVC is an Injection molding fitting compound. It is listed under NSF Std 14 and 61 and meets or exceeds ASTM D-1784 Cell Class 23447. MC100 is designed for CTS applications where enhanced resistance at elevated temperatures is needed. MC100 demonstrates ease of processing with excellent thermal stability.

General Information				
Uses		Accessories		
Agency Ratings		NSF 14		
		NSF 61		
Forms		Particle		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.51	1.51	g/cm ³	ASTM D792
PVC Cell Classification	23447	23447		ASTM D1784
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	119	119		ASTM D785
Durometer Hardness (Shore D)	84	84		ASTM D2240
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus ¹	2580	2580	MPa	ASTM D638
Tensile Strength ² (Yield)	53.4	53.4	MPa	ASTM D638
Flexural Modulus	2760	2760	MPa	ASTM D790
Flexural Strength	93.1	93.1	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	310	310	J/m	ASTM D256A
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 3.18 mm)	103	103	°C	ASTM D648
Injection	Dry	Unit		
Processing (Melt) Temp	199 - 207		°C	
NOTE				
1.	Type 1, 5.1 mm/min			
2.	Type 1, 5.1 mm/min			

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