

Geon™ CPVC MC550

Chlorinated Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ CPVC MC550 is a Chlorinated Polyvinyl Chloride product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ CPVC MC550 include outdoor applications and wire & cable.

General Information			
Uses	Outdoor Applications		
Agency Ratings	UL 94 2		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	111		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (23°C)	2520	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	48.7	MPa	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength (Yield)	84.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	130	J/m	ASTM D256
Notched Izod Impact (Area) (0°C, 3.18 mm)	2.31	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed ²	97.0	°C	
1.8 MPa, Annealed ³	91.0	°C	
Vicat Softening Temperature ⁴	98.0	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 207	°C	
NOTE			
1.	Yield		
2.	97 C.		
3.	91 C.		
4.	Method A98 degr. C.		

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