

Geon™ Vinyl Fittings M1200

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Fittings M1200 is a Rigid 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™ Vinyl Fittings M1200 include plumbing/piping/potable water and engineering/industrial parts. Primary characteristic: impact resistant.

General Information			
Features	High Impact Resistance		
	Medium Flow		
Uses	Fittings		
Agency Ratings	NSF 14		
	NSF 61		
	NSF Type II 3		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
PVC Cell Classification	15334		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2620	MPa	ASTM D638
Tensile Strength ² (Yield)	46.9	MPa	ASTM D638
Tensile Elongation ³ (Break)	20	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
0°C, 3.18 mm, Injection Molded	160	J/m	
23°C, 3.18 mm, Injection Molded	1100	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	73.9	°C	
1.8 MPa, Unannealed, 6.35 mm	70.0	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	199 to 210	°C	

NOTE	
1.	Type I, 51 mm/min
2.	Type I, 51 mm/min
3.	Type I, 5.1 mm/min

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