

# Geon™ Vinyl Fittings M1210

Rigid Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™ Vinyl Fittings M1210 is a rigid polyvinyl chloride product. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Geon™ The application areas of Vinyl Fittings M1210 include water pipes/pipes/drinking water and engineering/industrial accessories.

Features include:

flame retardant/rated flame

Impact resistance

General Information			
UL YellowCard	E41877-234274		
Features	Impact resistance, high		
	Medium liquidity		
Uses	Accessories		
Agency Ratings	NSF 14		
	NSF 61		
	NSF Type II 4		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20 - 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Durometer Hardness (Shore D)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	2480	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	42.7	MPa	ASTM D638
Flexural Modulus	2780	MPa	ASTM D790
Flexural Strength	74.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
0°C, 3.18mm, injection molding	110	J/m	ASTM D256A
23°C, 3.18mm, injection molding	1100	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	71.1	°C	ASTM D648
Flammability	Nominal Value		Test Method

Flame Rating (1.50 mm, WT)	V-0	UL 94
Additional Information		
NSF - D1784单元分类(NSF列出) -- 14333 / NSF - D1784单元分类(可能)-- 14334		
Injection	Nominal Value	Unit
Processing (Melt) Temp	199 - 210	°C
NOTE		
1.	Type 1, 51mm/min	
2.	Type 1, 51mm/min	

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#### Recommended distributors for this material

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