

Geon™ Vinyl Fittings 210A (HS)

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Fittings 210A (HS) 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 210A (HS) include plumbing/piping/potable water and engineering/industrial parts. Primary characteristic: high flow.

General Information			
Features	High Flow		
Uses	Fittings		
Agency Ratings	NSF 14		
	NSF 61		
	NSF Type I 3		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
PVC Cell Classification	12454		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2810	MPa	ASTM D638
Tensile Strength ² (Yield)	48.6	MPa	ASTM D638
Flexural Modulus	3020	MPa	ASTM D790
Flexural Strength	82.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	80	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
Injection	Nominal Value	Unit	
Processing (Melt) Temp	199 to 210	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		

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