

Geon™ Vinyl Rigid Molding 6957

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Molding 6957 is a Rigid Polyvinyl Chloride product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E41877-234153		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Spiral Flow	55.9	cm	
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2450	MPa	ASTM D638
Tensile Strength ² (Yield)	37.9	MPa	ASTM D638
Tensile Elongation ³ (Break)	25	%	ASTM D638
Flexural Modulus	2520	MPa	ASTM D790
Flexural Strength	73.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
-18°C, 3.18 mm, Injection Molded	270	J/m	
0°C, 3.18 mm, Injection Molded	530	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	68.9	°C	
0.45 MPa, Annealed, 6.35 mm	72.2	°C	
1.8 MPa, Unannealed, 6.35 mm	67.2	°C	
1.8 MPa, Annealed, 6.35 mm	70.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.47 mm, GY)	V-0		UL 94
CSA Flammability ⁴ (1.53 mm)	V-0		
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
4.	Gray

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