

Geon™ Vinyl Rigid Molding M7230

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

Custom Molding

General Information			
Features	General Purpose		
	High Impact Resistance		
	Medium Flow		
Uses	Construction Applications		
	General Purpose		
	Outdoor Applications		
Appearance	Opaque		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Spiral Flow	58.4	cm	
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2240	MPa	ASTM D638
Tensile Strength ² (Yield)	42.1	MPa	ASTM D638
Tensile Elongation ³ (Break)	37	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	66.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
10°C, 3.18 mm, Injection Molded	530	J/m	
23°C, 3.18 mm, Injection Molded	960	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	76.1	°C	
0.45 MPa, Annealed, 6.35 mm	78.9	°C	
1.8 MPa, Unannealed, 6.35 mm	72.8	°C	
1.8 MPa, Annealed, 6.35 mm	77.8	°C	
CLTE - Flow	1.4E-4	cm/cm/°C	ASTM D696

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, 51 mm/min	

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