

Geon™ Vinyl Rigid Molding M7500

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

Custom Molding

General Information			
Features	General Purpose		
	High Flow		
	Medium Impact Resistance		
Uses	Construction Applications		
	General Purpose		
	Outdoor Applications		
Appearance	Translucent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Spiral Flow	104	cm	
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (23°C, 3.18 mm)	1910	MPa	ASTM D638
Tensile Strength ² (Yield, 23°C, 3.18 mm)	40.0	MPa	ASTM D638
Tensile Elongation ³ (Break, 23°C, 3.18 mm)	35	%	ASTM D638
Flexural Modulus (23°C, 3.18 mm)	1920	MPa	ASTM D790
Flexural Strength (23°C, 3.18 mm)	57.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	210	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	59.5	°C	
0.45 MPa, Annealed, 3.18 mm	67.8	°C	
1.8 MPa, Unannealed, 3.18 mm	51.6	°C	
1.8 MPa, Annealed, 3.18 mm	64.4	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	199 to 204	°C	

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

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