

Geon™ Vinyl Rigid Molding M3400

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Molding M3400 is a Rigid Polyvinyl Chloride product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Electrical/Electronic Applications.

Characteristics include:

Flame Rated

Impact Resistant

General Information			
UL YellowCard	E41877-100797235		
Features	High Impact Resistance		
	Medium Flow		
Uses	Electrical/Electronic Applications		
Appearance	Opaque		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2790	MPa	ASTM D638
Tensile Strength ² (Yield)	42.7	MPa	ASTM D638
Tensile Elongation ³ (Break)	26	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
-18°C, 3.18 mm, Injection Molded	150	J/m	
0°C, 3.18 mm, Injection Molded	590	J/m	
23°C, 3.18 mm, Injection Molded	1000	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	70.0	°C	
1.8 MPa, Unannealed, 3.18 mm	60.0	°C	
Flammability	Nominal Value		Test Method

Flame Rating (ALL)

5VA

UL 94

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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