

Geon™ Vinyl Rigid Molding M5015

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Molding M5015 is a Rigid Polyvinyl Chloride product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Rigid Molding M5015 include construction applications and outdoor applications.

Characteristics include:

- Flame Rated
- RoHS Compliant
- Impact Resistant

General Information			
UL YellowCard	E41877-234296		
Features	General Purpose		
	Medium Flow		
	Medium Impact Resistance		
Uses	Construction Applications		
	General Purpose		
	Outdoor Applications		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Spiral Flow	61.0	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	2790	MPa	ASTM D638
Tensile Strength ² (Yield)	48.3	MPa	ASTM D638
Tensile Elongation ³ (Break)	44	%	ASTM D638
Flexural Modulus	2650	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	530	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	72.2	°C	
0.45 MPa, Annealed, 6.35 mm	75.0	°C	

1.8 MPa, Unannealed, 6.35 mm	68.9	°C
1.8 MPa, Annealed, 6.35 mm	72.2	°C
Flammability	Nominal Value	Test Method
	V-0	
Flame Rating (1.50 mm, ALL)	5VA	UL 94
Injection	Nominal Value	Unit
Processing (Melt) Temp	199 to 210	°C
NOTE		
1.	51 mm/min	
2.	51 mm/min	
3.	51 mm/min	

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