

Geon™ Vinyl Rigid Molding M3601

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Rigid Molding M3601 is a rigid polyvinyl chloride product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Geon™The application fields of Vinyl Rigid Molding M3601 include outdoor application and architectural application.

Features include:

flame retardant/rated flame

Impact resistance

General Information			
UL YellowCard	E41877-102794748		
Features	Impact resistance, high		
	Medium liquidity		
	General		
Uses	Architectural application field		
	General		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Spiral Flow	61.0	cm	
Molding Shrinkage - Flow	0.20 - 0.50	%	ASTM D955
Outdoor Suitability (All)	f1		UL 746C
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	79		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2340	MPa	ASTM D638
Tensile Strength ² (Yield)	42.7	MPa	ASTM D638
Tensile Elongation ³ (Break)	45	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	71.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
-18°C, 3.18mm, injection molding	160	J/m	ASTM D256A
0°C, 3.18mm, injection molding	370	J/m	ASTM D256A
23°C, 3.18mm, injection molding	750	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.35mm	72.8	°C	ASTM D648

0.45 MPa, annealed, 6.35mm	77.8	°C	ASTM D648
1.8 MPa, unannealed, 6.35mm	71.1	°C	ASTM D648
1.8 MPa, annealed, 6.35mm	76.1	°C	ASTM D648
RTI Elec	90.0	°C	UL 746
RTI Imp	85.0	°C	UL 746
RTI	90.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.75 mm, ALL	V-0		UL 94
	V-0		

1.5 mm, ALL	5VA		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	199 - 210	°C	

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