

Geon™ Vinyl Rigid Molding M3530

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Molding M3530 is a rigid polyvinyl chloride product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: engineering/industrial accessories.

Features include:

flame retardant/rated flame

ROHS certification

Impact resistance

General Information			
UL YellowCard	E41877-102549949		
Features	Impact resistance, high		
	Medium liquidity		
Uses	Engineering application		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.20 - 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	2270	MPa	ASTM D638
Tensile Strength ² (Yield)	39.3	MPa	ASTM D638
Tensile Elongation ³ (Break)	110	%	ASTM D638
Flexural Modulus	2420	MPa	ASTM D790
Flexural Strength	67.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
0°C, 3.18mm, injection molding	1000	J/m	ASTM D256A
23°C, 3.18mm, injection molding	1200	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.18mm	67.0	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	57.9	°C	ASTM D648
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI	50.0	°C	UL 746
Flammability	Nominal Value		Test Method

Flame Rating		UL 94
1.5, all	V-0	UL 94
2.0, all	5VA	UL 94
Injection	Nominal Value	Unit
Processing (Melt) Temp	199 - 210	°C
NOTE		
1.	Type 1, 5.1 mm/min	
2.	Type 1, 5.1 mm/min	
3.	Type 1, 5.1 mm/min	

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