

Geon™ Vinyl Rigid Molding MP402

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

*UL VO and 5VA values are associated with Trans colors only.

General Information			
Features	Food Contact Acceptable		
	High Flow		
	High Impact Resistance		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Spiral Flow	81.3	cm	
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2620	MPa	ASTM D638
Tensile Strength ² (Yield)	47.6	MPa	ASTM D638
Tensile Elongation ³ (Break)	35	%	ASTM D638
Flexural Modulus	2480	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
0°C, 3.18 mm, Injection Molded	110	J/m	
23°C, 3.18 mm, Injection Molded	800	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	67.2	°C	
0.45 MPa, Annealed, 6.35 mm	71.1	°C	
1.8 MPa, Unannealed, 6.35 mm	67.2	°C	
1.8 MPa, Annealed, 6.35 mm	70.0	°C	
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI Str	50.0	°C	UL 746
Flammability	Nominal Value		Test Method

Flame Rating			UL 94
1.19 mm, ALL	V-0		
1.47 mm, ALL	5VA		
Optical	Nominal Value	Unit	Test Method
Transmittance ⁴ (3180 μm)	76.0	%	ASTM D1003
Haze (3180 μm)	7.0	%	ASTM D1003
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		
4.	CIE Illuminant C		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

