

Geon™ Vinyl Rigid Molding M3815

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Molding M3815 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 M3815 include plumbing/piping/potable water, appliances, business/office goods, construction applications and electrical/electronic applications.

Characteristics include:

- Flame Rated
- RoHS Compliant
- High Flow
- High Gloss
- Impact Resistant

General Information			
UL YellowCard	E41877-100833038		
Features	General Purpose		
	High Flow		
	High Gloss		
	High Impact Resistance		
Uses	Appliances		
	Business Equipment		
	Construction Applications		
	Electrical/Electronic Applications		
	General Purpose		
	Telecommunications		
Agency Ratings	NSF 51		
	NSF 61		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Spiral Flow	112	cm	
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
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)	41.4	MPa	ASTM D638
Tensile Elongation ³ (Break)	35	%	ASTM D638

Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	65.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
-18°C, 3.18 mm, Injection Molded	110	J/m	
0°C, 3.18 mm, Injection Molded	270	J/m	
23°C, 3.18 mm, Injection Molded	690	J/m	
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	72.8	°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
1.40 mm, ALL	V-0		
1.60 mm, ALL	5VA		
Additional Information	Nominal Value		
	5VA		
CSA Flammability ⁴ (1.60 mm)	V-0		
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		
4.	All Colors		

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



WECHAT