

PolyOne Geon™ Vinyl Rigid Molding M4825 Polyvinyl Chloride, Rigid (PVC, Rigid)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Rigid Grade

Material Notes:

** NOTE: UL REGULATORY LISTING PENDING Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Rigid-Molding-M4825-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|-----------------------|-----------------------|-----------|
| Specific Gravity | 1.35 g/cc | 1.35 g/cc | ASTM D792 |
| Linear Mold Shrinkage, Flow | 0.0020 - 0.0050 cm/cm | 0.0020 - 0.0050 in/in | ASTM D955 |
| Spiral Flow | 109.22 cm | 43.000 in | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--|---|------------------------------|
| Hardness, Shore D | 84 | 84 | ASTM D2240 |
| Tensile Strength, Yield | 62.7 MPa | 9090 psi | Type I, 51 mm/min; ASTM D638 |
| Elongation at Break | 16 % | 16 % | Type I, 51 mm/min; ASTM D638 |
| Tensile Modulus | 3.29 GPa | 477 ksi | Type I, 51 mm/min; ASTM D638 |
| Flexural Strength | 96.5 MPa | 14000 psi | ASTM D790 |
| Flexural Modulus | 3.24 GPa | 470 ksi | ASTM D790 |
| Izod Impact, Notched | 0.530 J/cm @Thickness 3.18 mm, Temperature 23.0 °C | 0.993 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F | Injection Molded; ASTM D256A |

| Thermal Properties | Metric | English | Comments |
|---|--------------------|---------------------|-----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 63.9 °C | 147 °F | Annealed; ASTM D648 |
| | @Thickness 6.35 mm | @Thickness 0.250 in | |
| Deflection Temperature at 1.8 MPa (264 psi) | 66.1 °C | 151 °F | Unannealed; ASTM D648 |
| | @Thickness 6.35 mm | @Thickness 0.250 in | |
| Deflection Temperature at 0.46 MPa (66 psi) | 60.0 °C | 140 °F | Annealed; ASTM D648 |
| | @Thickness 6.35 mm | @Thickness 0.250 in | |
| Deflection Temperature at 1.8 MPa (264 psi) | 63.0 °C | 145 °F | Unannealed; ASTM D648 |
| | @Thickness 6.35 mm | @Thickness 0.250 in | |

| Thermal Properties | Metric | English | Comments |
|-----------------------|-----------------------------|------------------------------|------------|
| Optical Properties | Metric | English | Comments |
| Haze | 4.0 % @Thickness 3.81 mm | 4.0 % @Thickness 0.150 in | ASTM D1003 |
| Transmission, Visible | 75 % @Thickness 3.81 mm | 75 % @Thickness 0.150 in | ASTM D1003 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 199 - 204 °C | 390 - 399 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|--|----------|
| Appearance | Clear/Transparent | |
| Features | General Purpose High Flow | |
| Forms | Pellets | |
| Generic Material | PVC, Rigid | |
| Generic Name | Polyvinyl Chloride, Rigid (PVC, Rigid) | |
| Product Description | ** NOTE: UL REGULATORY LISTING PENDING | |
| Regional Availability | Africa & Middle East Asia Pacific Europe North America South America | |
| Uses | General Purpose | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China