

IDI Composites W-102 Thermoset Polyester, Molding

Category : Polymer , Thermoset , Polyester, TS , Thermoset Polyester Glass Filled BMC

Material Notes:

Premium appearance grade materials in a range of strengths for cookware and appliance applications. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_IDI-Composites-W-102-Thermoset-Polyester-Molding.php

| Physical Properties | Metric | English | Comments |
|-----------------------|------------------------|---------------------------|------------------------|
| Density | 1.90 g/cc | 0.0686 lb/in ³ | |
| Water Absorption | 0.070 % | 0.070 % | in 24 hours; ASTM D570 |
| Linear Mold Shrinkage | 0.00050 - 0.0015 cm/cm | 0.00050 - 0.0015 in/in | ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------|---------------|------------|
| Hardness, Barcol | 25 - 35 | 25 - 35 | ASTM D2583 |
| Tensile Strength, Ultimate | 38.0 MPa | 5510 psi | ASTM D638 |
| Flexural Strength | 97.0 MPa | 14100 psi | ASTM D790 |
| Compressive Strength | 131 MPa | 19000 psi | ASTM D695 |
| Izod Impact, Notched | 2.20 J/cm | 4.12 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------------------------|---------------------------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | >= 260 Â°C | >= 500 Â°F | ASTM D648 |
| Flammability, UL94 | HB @Thickness 3.20 mm | HB @Thickness 0.126 in | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|------------|-----------|-----------|
| Dielectric Strength | 12.6 kV/mm | 320 kV/in | ASTM D149 |

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