

Premi-Glas® 3404

Thermoset, Unspecified

Premix, Inc.

Message:

Premi-Glas® 3404 is a fiberglass reinforced thermoset sheet molding compound for mass transit and semi-structural applications where low smoke and low flammability are required.

Key Features and Benefits:

Radiant panel flame spread index of less than 35 per ASTM E-162.

Smoke Density of less than 25 per ASTM E662 (NBS smoke chamber).

Accepts powder in-mold-coatings.

Excellent flexural strength and outstanding toughness.

Halogen-free flame retardant system for reduced smoke toxicity.

| General Information | | | |
|--|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,30% Filler by Weight | | |
| Additive | Flame Retardant | | |
| Features | Flame Retardant | | |
| | Good Toughness | | |
| | Halogen Free | | |
| | Low Smoke Emission | | |
| Uses | Automotive Applications | | |
| Forms | SMC - Sheet Molding Compound | | |
| Physical | Nominal Value | Unit | |
| Specific Gravity | 1.83 | g/cm ³ | |
| Molding Shrinkage - Flow | 0.030 | % | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (Compression Molded) | 10300 | MPa | ASTM D638 |
| Tensile Strength (Compression Molded) | 89.6 | MPa | ASTM D638 |
| Tensile Elongation (Break, Compression Molded) | 1.2 | % | ASTM D638 |
| Flexural Modulus (Compression Molded) | 10300 | MPa | ASTM D790 |
| Flexural Strength (Compression Molded) | 190 | MPa | ASTM D790 |
| Poisson's Ratio | 0.30 | | |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (Compression Molded) | 530 | J/m | ASTM D256 |
| Unnotched Izod Impact (Compression Molded) | 960 | J/m | ASTM D4812 |
| Thermal | Nominal Value | Unit | |
| CLTE | | | |
| Flow | 2.5E-5 | cm/cm/°C | |
| Transverse | 3.5E-5 | cm/cm/°C | |

| | | |
|----------------------------------|---------------|-------------|
| Thermal Conductivity | 0.30 | W/m/K |
| Flammability | Nominal Value | Test Method |
| NBS Smoke Density - Ds at 4 min | < 25.0 | ASTM E662 |
| Radiant Panel Flame Spread Index | < 35.0 | ASTM E162 |
| Injection | Nominal Value | Unit |
| Mold Temperature | 149 | °C |
| Injection Pressure | 3.45 to 6.89 | MPa |

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

