

Altuglas® GRANITE

Polymethyl Methacrylate Acrylic

Altuglas International of Arkema Inc.

Message:

Altuglas® GRANITE is a Polymethyl Methacrylate Acrylic product. It is available in Asia Pacific or Europe.

| General Information | | | |
|---|---------------|-------------------|-------------|
| Forms | Granules | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.18 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/3.8 kg) | 0.80 | g/10 min | ISO 1133 |
| Molding Shrinkage - Flow | 0.30 to 0.60 | % | ASTM D955 |
| Water Absorption (Equilibrium, 23°C, 50% RH) | 0.30 | % | ISO 62 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (M-Scale) | 45 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield, 23°C) | 40.0 | MPa | ISO 527-2 |
| Tensile Strain (Break, 23°C) | 12 | % | ISO 527-2 |
| Flexural Modulus (23°C) | 1930 | MPa | ISO 178 |
| Flexural Stress (23°C) | 61.0 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength (23°C) | 39 | kJ/m ² | ISO 180/1A |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 80.0 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 91.5 | °C | ISO 306/B |
| Injection | Nominal Value | Unit | Test Method |
| Drying Temperature | 80.0 to 85.0 | °C | |
| Drying Time | 2.0 to 4.0 | hr | |
| Processing (Melt) Temp | 220 to 240 | °C | |

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