

Brandonite® 9011-90D

Product Description

Brandonite® 9011-90D is a glass fiber reinforced and impact modified Polyarylamide based composite combining the properties of high rigidity, excellent impact resistance and outstanding toughness and dimensional stability.

Applications

Brandonite® 9011-90D is well suited for numerous end use applications. Typical applications include a variety of components being used in appliance, electronics, and electrical and other industries.

Brandonite® 9011-90D is specially formulated to provide the following physical and mechanical properties:

| PROPERTIES | TEST METHOD | UNIT OF MEASURE | RESULT |
|--|-------------|-----------------|--------------|
| Specific Gravity | ASTM D 792 | sp gr 23/23°C | 1.600 |
| Shore Hardness | ASTM D 2240 | D Scale | 90 |
| Tensile Strength | ASTM D 412 | MPa/psi | 235/34,075 |
| Elongation at Break | ASTM D 412 | % | 2.6 |
| Flexural Modulus | ASTM D 790 | MPa/kpsi | 17,000/2,465 |
| Flexural Strength | ASTM D 790 | MPa/psi | 335/48,600 |
| Impact Strength, Notched Izod (23°C/50% RH) | ASTM D 256 | J/m (ft-lb/in) | 120 (2.3) |
| Flammability | UL94 | N/A | HB |
| Limiting Oxygen Index | ISO 4589 | % | 25 |
| Heat Deflection Temperature | ISO 75A | °C/°F | 220 (428) |

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