

# Sumikon® EME-6300HG

Epoxy; Epoxide  
Sumitomo Bakelite Co., Ltd.

Message:  
Sumikon® EME-6300HG is an epoxy; Epoxy resin products. It can be processed by encapsulation and is available in North America. The main characteristics are: high purity.

| General Information          |                                |                   |             |
|------------------------------|--------------------------------|-------------------|-------------|
| Features                     | High purity                    |                   |             |
| Uses                         | Semiconductor molding compound |                   |             |
| Forms                        | Liquid                         |                   |             |
| Processing Method            | Enclosure                      |                   |             |
| Physical                     | Nominal Value                  | Unit              | Test Method |
| Specific Gravity             | 1.82                           | g/cm <sup>3</sup> | ASTM D792   |
| Water Absorption (24 hr)     | 0.30                           | %                 | ASTM D570   |
| Mechanical                   | Nominal Value                  | Unit              | Test Method |
| Flexural Modulus (25°C)      | 11800                          | MPa               | ASTM D790   |
| Flexural Strength (25°C)     | 118                            | MPa               | ASTM D790   |
| Thermal                      | Nominal Value                  | Unit              | Test Method |
| Glass Transition Temperature | 165                            | °C                | ASTM E1356  |
| Thermal Conductivity         | 0.67                           | W/m/K             | ASTM C177   |
| Electrical                   | Nominal Value                  | Unit              | Test Method |
| Volume Resistivity           | 1.0E+13                        | ohms·cm           | ASTM D257   |
| Thermoset                    | Nominal Value                  | Unit              |             |
| Demold Time (175°C)          | 1.2 - 2.0                      | min               |             |
| Post Cure Time (175°C)       | 4.0 - 10                       | hr                |             |
| Additional Information       |                                |                   |             |

Spiral Flow, SB-U-03-003: 105 cmGel Time, SB-U-03-005, 175°C: 50 secThermal Expansion, SB-U-02-002, TTg: 6.8 E-5/°CFlexural Strength, SB-U-01-001, 240°C: 15.7 MPaFlexural Modulus, SB-U-01-002, 240°C: 637.5 MPaUL-94 Flame Class, SB-U-03-003: V-0Extracted Na+, SB-U-04-043: <1 ppmExtracted Cl-, SB-U-04-043: 5 ppmTransfer Pressure: 686.5-1177 MPa

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