

Generic Epoxy - Aluminum

Epoxy; Epoxide

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Epoxy - Aluminum
This information is provided for comparative purposes only.

| General Information | | | |
|---|------------------|-------------------|-------------|
| Filler / Reinforcement | Aluminum | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.65 to 2.03 | g/cm ³ | ASTM D792 |
| Apparent Density | 1.48 to 1.69 | g/cm ³ | ASTM D1895 |
| Molding Shrinkage - Flow (23°C) | 0.043 to 0.20 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (23°C) | 85 to 90 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (23°C) | 3720 to 8320 | MPa | ASTM D638 |
| Tensile Strength | | | ASTM D638 |
| Yield, 23°C | 27.6 to 56.2 | MPa | |
| Break, 23°C | 25.2 to 41.7 | MPa | |
| Flexural Strength (Yield, 23°C) | 24.4 to 92.4 | MPa | ASTM D790 |
| Compressive Strength (23°C) | 73.2 to 200 | MPa | ASTM D695 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 54.4 to 157 | °C | ASTM D648 |
| Continuous Use Temperature | 72.5 to 177 | °C | ASTM D794 |
| CLTE - Flow | 2.9E-5 to 6.2E-5 | cm/cm/°C | ASTM D696 |
| Electrical | Nominal Value | | Test Method |
| Dielectric Constant (23°C) | 4.97 to 41.9 | | ASTM D150 |
| Thermoset | Nominal Value | Unit | Test Method |
| Pot Life (23°C) | 4.0 to 1000 | min | |
| Shelf Life (23°C) | 51 to 52 | wk | |
| Thermoset Mix Viscosity | 1550 to 40900 | cP | ASTM D2393 |
| Demold Time | 1.0 to 1100 | min | |

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