



KE-45

Shin-Etsu Silicones of America, Inc.
800-544-1745

Product Description

Shin-Etsu's KE-45 is a single component, room-temperature cure, thixotropic adhesive that will cure into a tough, durable elastomer. KE-45 is a low odor, neutral cure, non-corrosive product that exhibits excellent, unprimed adhesion to metals, plastics, glass, and ceramics.

Product Features

- Single Component
- Room-temperature cure
- Thixotropic paste
- Low odor and non-corrosive

Typical Applications

- Form-in-place gasketing
- Sealing electronics

Storage and Shelf Life

The shelf life of KE-45 is six months from date of shipment when stored at 23C in its original, unopened container.

Typical Properties

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|------------------------------------|--------------------------------------|
| Type | Adhesive/Sealant |
| Cure Type | Condensation |
| One/Two Component | One |
| Color | Black, White, Gray, Red, Translucent |
| Density @ 23C (g/cm ³) | 1.05 |
| Cure Conditions | 7days @ 23C/50% RH |
| Tack Free Time (min) | 6 |
| Shore A Hardness | 30 |
| Tensile Strength (MPa) | 1.9 |
| Tear Strength (kN/m) | 7 |
| % Elongation | 310 |
| Shear Strength (MPa) (Al/Al) | 1.0 |
| Volume Resistivity (TΩ·m) | 10 |
| Dielectric Strength (kV/mm) | 20 |
| Dielectric Constant | 2.6 @ 50Hz |
| Dielectric Dissipation Factor | 5 x 10 ⁻³ @ 50Hz |
| Thermal Conductivity (W/m·K) | 0.21 |
| Usable Temperature Range (C) | -40 to +180 |

Note: Values are not for specification purposes.

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