

RTV Silicones by **MOMENTIVE**
performance materials
1-Part Adhesive Sealant TSE3941



Primary Characteristics

- ▶ White Paste
- ▶ **Thermally Conductive**
- ▶ **Primerless adhesion**
- ▶ [Neutral cure](#)
- ▶ Non-corrosive
- ▶ UL recognized
- ▶ Flame retardant
- ▶ High strength
- ▶ Fast cure
- ▶ Fast tack free time
- ▶ Aggressive adhesion

Excellent high thermal conductivity. White paste. Has UL flammability rating of V-1 using the UL 94 test. Has outstanding adhesion and electrical properties. Resistant to heat, cold, moisture, UV, ozone and chemicals. When cured, retains elastomeric properties throughout the operating temperature range of -55°C to 200°C (-67°F to 392°F). Use for bonding components and devices to heat sinks as well as in other bonding applications where flexibility, thermal conductivity, and flame retardance are of concern. Requires no primer.

Available Sizes

| Catalog Number | Sizes Available | Description |
|----------------|-----------------|--------------|
| TSE3941-150G | 150g (5.3 oz) | Tube |
| TSE3941-333ML | 333ml (10 oz) | Cartridge |
| TSE3941-20K | 20 kg (44 lbs) | 44 lbs. pail |

Specifications

| | |
|--------------------------------------|--|
| Use | Adhesive Sealant |
| Special Features | Thermally conductive, Flame retardant |
| Standards | MIL-A-46146B (corrosion only) UL-94 V-1 recognition (file E56745) |
| Cross Reference | TSE3941 |
| Uncured Properties | |
| Consistency | Paste |
| Color | White |
| Specific Gravity | 1.65 |
| Tack Free Time | 5 min |
| Cure Through Time | 3 days |
| Useful Temp. Range | -55°C to 200°C (-67°F to 392°F) |
| Cured Properties - MECHANICAL | |
| Hardness | 60 (Shore A) |
| Tensile Strength | 3.0 MPa (426 psi) |

| | |
|--------------------------------------|---------------|
| Elongation | 100% |
| Cured Properties - ELECTRICAL | |
| Dielectric Strength | 22 kV/mm |
| | 500 V/mil |
| Dielectric Constant | 4 @ 60 Hz |
| Cured Properties - THERMAL | |
| Thermal Conductivity | 0.83 W/m · °K |
| Brittle Point | -60°C (-75°F) |

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