

RTV Silicones by MOMENTIVE 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	▶ SPECIAL ORDER 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	
<u>Hardness</u>	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)