

Features & Benefits

Two-component silicone potting, 1 to 1, curing at room temperature.

- REACH, ROHS, UL VO certified
- Good waterproof
- Good thermal conductivity
- Easy to mix and use

Application

- Power modules
- Adaptors
- Transformers
- Ballasts
- Sensors
- Electric control unit's product

Description

Tensan silicone 1 to 1 encapsulants are supplied as two-part liquid component kits. After mixing, two parts of silicone will be cured as a flexible elastomer, which is well used for the protection of electrical and PCB system assembly applications.

The duration of the application and the curing time at room temperature are independent of the number of materials.

Packing Information

20kg/bucket
24 buckets/pallet

Storage and Validity

Stored at room temperature, and in a cool, ventilated, dry place.

Shelf life: 6 months

Typical Properties

Item	Index
Color	Part A: White/Gray Part B: White
Viscosity cP Pa-sec	Part A: 4500 Part B: 3800
Specific Gravity (Cured)	1.60±0.2
Mix Ratio	1:1
Viscosity (Mixed) cP Pa-sec	4500
Density g/cm ³ (25°C)	1.60±0.2
Working Time at 25°C (Pot Life-minutes)	30-60
Curing Time at 25°C hrs	24
Heat Cure time at 80°C hrs	0.5
Hardness (Shore A)	45±10
Thermal Conductivity (W/m.K)	0.6
Dielectric Constant (1MHz 25°C)	2.5
Dielectric Strength kV/mm (25°C)	18
Volume Resistivity (DC500V) Ω·cm	1.5×10 ¹⁵
UL 94 Flame Classification	HB

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For more about our product, please visit:
www.sztensan.com