

## Features & Benefits

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

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

## Application

- Power moduls
- Adaptors
- Transformers
- Ballasts
- Sensors
- Electric control units product

## Description

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

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

## Packing Information

20KG/25KG/BUCKET  
24 BUCKET/PALLET

## Storage and Validity

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

Shelf life: 6 month

## Typical Properties

Item	Index
Color	Part A: White / light gray Part B: White
Viscosity mPa·s (25°C)	Part A: 4500 Part B: 3800
Specific Gravity ( Cured )	1.60
Mix Ratio	1:1
Viscosity mPa·s (25°C)	4500
Density g/cm <sup>3</sup> (25°C)	1.60±0.05
Working Time at 25°C (minutes)	30-60
Heat Cure Time Hr/°C	0.5/80
Hardness (Shore A)	45
Thermal Conductivity (W/mK)	0.6
Dielectric Constant (1MHz 25°C)	2.5
Dielectric Strength kV/mm (25°C)	>18
Volume Resistivity (DC500V ) Ω·cm	1.5×10 <sup>-15</sup>
UL 94 Flame Classification	94 V-1

## How Can We Help You Today

Tell us about your performance, design, and manufacturing challenges. Let us put our silicone-based materials, expertise, application knowledge, and processing experience to work for you.

For more about our product, please visit:

[www.sztensan.com](http://www.sztensan.com)