

Flextein™ SEA2010

Thermally Conductive Sealant

FEATURES & BENEFITS

- Room temperature curing
- Low viscosity
- Easy to mix and use
- Heat dissipation
- RoHS compliant



Flextein™ SEA2010 is a RT and heat cure for manufacturing flexibility, two-component thermally conductive silicone sealant, insulating and protecting electrical and electronic components from application and environmental stresses. This rubber like compound resists to shock and vibration, and for exclusion of moisture and corrosive agents. High conductivity makes Flextein™ SEA2010 suitable for electronic components or packaging requiring heat dissipation while sealed.

STORAGE, TRANSPORTATION AND PACKAGE

- A cool, dry place for storage, the shelf life is 1year @25°C
- Such products are non-dangerous goods according to transport as common chemicals.
- Packaging: 40 kg suit (Part A 20 kg /Part B 20 kg kettle) or 20 kg suit (Part A 10 kg /Part B 10 kg kettle) .

TYPICAL APPLICATIONS

- LED lighting driver
- Power modules / Inverters
- Transformers / Ballasts
- Sensors product
- Electric control units

TYPICAL PROPERTY DATA

PROPERTIES	UNITS	Part A	Part B
Appearance	-	Grey	White
Mix Ratio	-	1:1	
Viscosity	cps	2,900	3,100
Viscosity as Mixed	cps	3,000	
Pot Life	min	60 (@25°C)	
Cure Schedule (90%)	-	20 min (@100°C)	
		8 h (@25°C)	
PROPERTY AS CURED			
Hardness	Shore A	50	
Thermal Conductivity	W/m·K	0.95	
Dielectric Strength	kV(@1 mm)	≥15	
Volume Resistivity	Ω·cm	≥1.0×10 ¹⁴	
Density	g/cm ³	1.58	
Dielectric Constant	@1 MHz	3.2	
Flame Rating	UL.94	V-0	
Service Temp.	°C	-50 to 200	
Linear CTE (by DMA)	µm/m·K or ppm	50	
RoHS Compliant	-	Yes	

OPERATING PROCESSING

1. Weighing: first, stir each container to avoid precipitate, then correctly weigh part A and part B.
2. Mixing: pour part B into part A and mix.
3. Potting: apply adhesive mixture onto electronic component as soon as possible.
4. Curing: complete curing process may take 10 to 24 hours at room temperature after less than half hour primary curing process. Elevated temperature will accelerate the process time.

QUALITY GUARANTEE - PLEASE READ

We guarantee the performance of the products contained, the use of information are accurate and reliable. However, before your use or deal with their performance, security and use of the test. The application of the recommendations can not be regarded as applicable in any state.