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ISO 9001 / 14001 / IATF 16949 / QS 9000 / NT Mark

## CASMOLY HC-20

### HEAT SINK COMPOUND

#### ⊙ Description

CASMOLY HC-20 is silicone-Heat Sink Compound based on a high purity silicone fluid filled with an excellent thermal conductivity as well as its inherent and good dielectric properties.

The high thermal conductivity, its own extra stability under high temperatures, and the extremely low bleed enable the non-drying and non-solidifying CASMOLY HC-20 exposed to high temperatures for a prolonged time. The improved qualities of CASMOLY HC-20 have the minimum.

Swelling effects to JCR (Junction Coating Resin) and it allows CASMOLY HC-20 to be used near to JCR with no worries about swelling JCR.

#### ⊙ Characteristic

- Very high thermal conductivity
- Non-adverse effects to the nearby JCR.
- Controlled oil based to the minimum & Extra stable under the prolonged high temperature
- Wide range of operating Temperature  
-50°C ~ +180°C

#### ⊙ Application

- Power Transistors, General Transistors
- Diodes, Rectifiers
- Electronics & Electric Components requiring dissipating heats

#### ⊙ Usage

The surface of the material to be applied should be cleaned and dried.

HC-20 is a compound, so it is good to stir evenly before applying HC-20.

#### ⊙ Packing

- 1KG/CAN

#### ⊙ Typical Properties

Test Items	CASMOLY HC-20	Test Method
Appearance	White	-
Thermal Conductivity (W/mK)	Min. 2.0	-
Unworked Penetration (25°C)	310~340	ASTM D 217
Oil Separation (wt%)	Max. 1.0	ASTM D 6184
Evaporation Loss (wt%)	Max. 1.0	ASTM D 972
Copper Strip Correction	Max. 1a	ASTM D 4048

\*ASTM: American Society for Testing & Materials.

☞ All values are not intended for use in preparing specifications.