



www.cals-corp.com

OFFICE : 2F, 84, Beodeunaru-ro, Yeongdeungpo-gu, Seoul, 07230, Korea  
 Tel. (02) 2632-9441 Fax. (02) 2632-9580  
 PLANT : 123-63, Injusandan-ro, Inju-myeon, Asan-si, Chungcheongnam-do, Korea  
 Tel. (041) 541-9441 Fax. (041) 541-9447

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

**CASMOLY HC 220 – UL APPROVAL(FILE NO.E168167)**  
 HEAT SINK COMPOUND

⊙ Description

CASMOLY HC-220 is a grease-like silicone material based on a high purity silicone fluid filled with an optimum ratio of special metal oxide showing an excellent thermal conductivity as well as its inherent and good dielectric properties.

Also, even though CASMOLY HC-220 is exposed on high temperature for a prolonged time, the compound is not dried or is not harden easily due to good specialties in oil separation and vaporization.

⊙ Characteristic

- Very high thermal conductivity
- Low oil separation, vaporization in high temperature
- High thermal stability
- Excellent dielectric property
- Wide range of operating Temperature:  
-50°C ~ +180°C

⊙ Application

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

\*\* CASMOLY HC-220 can not completely supported for JCR (Junction Coating Resin) part. Just in the above case, we recommend you to use CASMOLY HC-300.

⊙ Packing

- 1KG/CAN
- 20KG/PAIL

⊙ Typical Properties

Test Items	CASMOLY HC-220	Test Method
Appearance	White	-
Unworked penetration (25°C)	300~320	ASTM D 217
Oil Separation (wt%)	Max. 1.0	ASTM D 6184
Evaporation loss (wt%)	Max. 1.0	ASTM D 972

\*ASTM: American Society for Testing & Materials.

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