TECHNICAL INFORMATION



Thermal Conductive Silicone Rubber

There are designed for high thermal conductivity and high electrical insulation properties.

FEATURES

- High thermal conductivity
- High electrical insulation properties
- High heat resistant
- Low volatility contents
- Flame retardant (UL94V-0, V-1 Level)



Thermal conductive cap

APPLICATIONS

- Heat transfer pads, Sheets, Packings
- CPU, Transformer, Transistor pads for heat transfer
- All kind of heat transfer parts.



PROPERTIES

Catalyst: HC-8 / 1.8phr (171 °C×10min / 200 °C×4hrs)

Typical Properties	Test Method	HR-770/60	HR-770/70	HR-770/80
Colors	ASTM E 1767	Dark Gray		
William's plasticity	ADTM D 926	260	280	300
Specific gravity	ASTM D 792	2.00	2.05	2.10
Hardness	ASTM D 2240	60	70	80
Tensile strength (MPa)	ASTM D 412	3	3.5	4
Elongation (%)	ASTM D 412	400	300	100
Tear strength (kgf/cm)	ASTM D 624 "B"	10	10	10
	ASTM D 624 "C"	10	10	10
Linear Shrinkage (%)	JIS K 6249	3	2.7	2.6
Volume Resistance (ohm.cm)	ASTM D 257	10 ¹⁵	10 ¹⁵	10 ¹⁵
Dielectric Strength (KV/mm)	ASTM D 149	20	19	19
Thermal Conductivity (W/mk)	ASTM E 1530	0.7	0.8	0.9
Flame Retardant	UL-94	V-1	V-0	V-0

[|] The information and data contained herein are based on information we believe reliable. You should thoroughly test any application, and independently conclude satisfactory performance before commercialization. Suggestions of uses should not be taken as inducements to infringe any particular patent.