

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