

Heat conductivity HT SHEET

HT-100

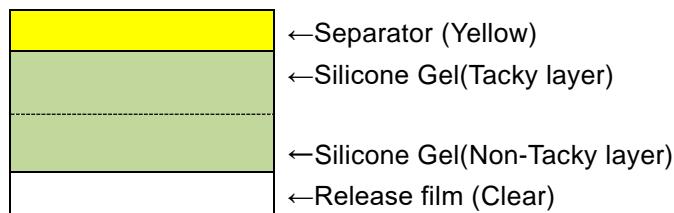
1. Outline

HT-100 of HT SHEET is thermal conduction sheet with the matrix resin of silicone gel. Most effective and appropriate thermal design by filling the gap between the heating unit and the radiation unit to secure the conduction path.

2. Features

- 1) A sheet with excellent thermal conductivity with the matrix resin of silicone gel
- 2) Fitting well to the uneven surfaces
- 3) It consists of double layers which are with tackiness and non-tackiness

3. Structure



4. Application

Thermal management of the semiconductor module, in-vehicle ECU

5. Characteristics

Test item	Unit	Test method	HT-100
Thickness	mm	Dial gage	1.0±0.1
Hardness	-	Asker A	21
Tensile strength	MPa	ASTM D412	0.70
elongation	%		150
Breakdown voltage	kV	ASTM D149	11
Thermal conductivity	W/mk	ASTM E 1530	1.0
Thermal resistance	m ² k/W		1.04×10 ⁻³

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HT100 sheet 1/1
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