



# HFC H300-Soft series 【Thermal Gap Filler】

## DATA SHEET



-Product picture-

HFC H300-Soft series thermal gap filler is a thermal conductive interface material with natural surface viscosity. The product has low thermal resistance, good flexibility and electrical insulation. The product is of natural stickiness and high compressibility, which can fill the gap well and realize the heat transfer from the heating part to the heat dissipation part. At the same time, it also plays the role of insulation and damping, which can meet the design requirements of miniaturization and ultra-thin equipment. It is highly technically usable.

### FEATURES:

- Ultra-soft, excellent compression performance
- Low thermal resistance
- Being recognized as UL94 V-0
- Viscous surface
- Being able to work under low pressure
- Excellent insulation performance and thermal resistance

### APPLICATIONS:

- Between chip and heat-dissipation modules
- Optoelectronic Industry
- Netcom products
- New energy battery and vehicles industry
- Household appliances
- Wearable equipments

This series of products are environmentally compliant with RoHS 2.0, halogen, and REACH standards.

**STORAGE CONDITIONS :** Storage in the darkness

**STORAGE TEMPERATURE :** ≤ 30 °C

**STORAGE HUMIDITY :** ≤ 70%

The height of the stacking should not be more than 7 layers and the total height should not be more than 1m.

### SHELF LIFE :

Under storage conditions: 2 year

### PROPERTIES

Items	Parameter	Unit	Test Method
Color	Sky Blue	-	Visual
Thickness	1~4	mm	ASTM D 374
Hardness	20	Shore 00	ASTM D 2240
Density	3.01	g/cc	ASTM D 792
Tensile Strength	≥0.15	Mpa	ASTM D 412
Elongation	≥60	%	ASTM D 412
Compression Ratio	≥40(@50Psi)	%	ASTM D 575
UL Certification	V-0,5V	-	UL94
Operating Temperature	-50~200	°C	IEC 60068-2-14

### THERMAL CHARACTERISTIC

Thermal conductivity	3.0	W/m·K	ASTM D 5470
Thermal resistance	≤0.7(@20psi&1mm)	°Cin <sup>2</sup> /W	ASTM D 5470

### ELECTRICAL PROPERTIES

Breakdown voltage	≥8	kV /mm	ASTM D 149
Volume resistivity	≥10 <sup>10</sup>	Ω.cm	ASTM D 257
Dielectric constant	≥2	@1MHz	ASTM D 150
Dielectric loss	≤0.1	@1MHz	ASTM D 150

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