

## FACT SHEET

# ICT-FSL-H



ICT-FSL-H has a high thermal conductivity an excellent compressibility rate and excellent Elongations values (Springback rate) and thus returns to its original state again after pressing.



**4 THERMALLY CONDUCTIVE GAP FILLERS, PADS, SPACERS, SOFT-, ULTRASOFT-GEL**

## DESCRIPTION

ICT-FSL-H is in the top place of the FSL lineup, this gap-filler-spacer has a very high thermal conductivity of 5 W/mK and, due to its mechanical properties, achieves a Rth of 0.42 C °/W (1mm) and thus an excellent overall transition resistance.

ICT-FSL-H is a successful combination of very good thermal and mechanical properties and results in an optimal thermal path-an excellent thermal performance.

ICT-FSL-H contains low molecular siloxane in the lower area and is characterized by very high reliability. This product also offers the user a balanced relationship in terms of best material performance in price and quality. The Gapfiller-spacer is suitable for a wide range of applications where larger gaps must be efficiently bridged from the power component to the heat sink.

## TYPICAL PROPERTIES

<b>Operating temperature</b>	from -60 to 180 °C
<b>Thermally conductive</b>	Yes
<b>Thermal conductivity</b>	5 W/m*K
<b>Density</b>	3.1 g/cm <sup>3</sup>
<b>Color</b>	Gray
<b>Dielectric breakdown voltage</b>	10.00 kV/mm
<b>Electrically conductive</b>	No
<b>Hardness (Shore 00)</b>	76

## FEATURES

- › High thermal conductivity 5 W/mK
- › Low heat transfer resistance 0.42 C °/W (1mm)
- › High electrical shock Resistance > 10 kV/AC (1mm)
- › Very high elasticity and flexibility
- › Outstanding Mechanical Damping Properties
- › Non-combustible according to UL 94 V0
- › Self-adhesive or self-adhesive on one side.

## DELIVERY FORMS / APPLICATIONS

- In the form of mats: 480x460mm and 460x450mm
- Customer dimension-specific special shapes/blanks or on carrier liner (Kisscut) also in roll format and by arrangement (material thickness 1mm) possible

ICT4TIM Partners



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