

## FACT SHEET

# ICT-TC-GFSP-US-4011

formerly  
ICT-FSL-BS



ICT-TC-GFSP-US-4011 is a ultrasoft, thermally conductive gap-filler-spacer with which very good thermal connections can be realized via large gaps, for example by height differences of electronic components or large tolerances.



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

## DESCRIPTION

ICT-TC-GFSP-US-4011 is a ultrasoft, thermally conductive gap-filler-spacer with which very good thermal connections can be realized via large gaps, for example by height differences of electronic components or large tolerances.

The elastomer has a very high elasticity, high dielectric strength and excellent high thermal conductivity, which is achieved due to a first-class and balanced careful selection of proprietary ceramic fillers in conjunction with ceramic powder

The spacer has a compressibility of more than 30%. Due to its very high softness and adaptability, optimum thermal contact is achieved even at very low pressures. As a result, the thermal total transition resistance is reduced to whitish and to a large extent considerably.

The first-class combination of mechanical and thermal properties as well as quality and price completes the portfolio of the ICT-Gapfiller-spacer. This material is suitable for a very wide range of applications. Due to the natural adhesion of the Silikonelastomers, the material can also be affixed very well in advance

## TYPICAL PROPERTIES

<b>Operating temperature</b>	from -60 to 180 °C
<b>Thermally conductive</b>	Yes
<b>Thermal conductivity</b>	3 W/m <sup>2</sup> K
<b>Thermal resistance (inch<sup>2</sup> / 645,16mm<sup>2</sup>)</b>	0.29 0.6 0.89 1.2
<b>Density</b>	2.8 g/cm <sup>3</sup>
<b>Color</b>	Light Blue
<b>Dielectric breakdown voltage</b>	10.00 kV/mm
<b>Electrically conductive</b>	No
<b>Hardness (Shore 00)</b>	30

## FEATURES

- › Effect even at very low pressure
- › High thermal conductivity 3 W/mK (ASTM D 5470)
- › Low heat transfer resistance 0,48c °/W (1mm)
- › High electrical shock Resistance > 10 kV/AC (1mm)
- › Extraordinarily high elasticity and flexibility
- › Ultraweich, adaptable to the mould and very good damping
- › Non-combustible according to UL 94 VO

## DELIVERY FORMS / APPLICATIONS

- Self-adhesive or self-adhesive on one side
- In the form of mats (480x460mm and 460x460mm)
- 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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