

## FACT SHEET

# ICT-TC-GFSP-S-4001

formerly  
ICT-FSL-D



ICT-TC-GFSP-S-4001 is a thermally conductive, electrically insulating gap-filler-spacer based on silicone, with which very good thermal connections can be realized due to its softness and adaptability.



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

## DESCRIPTION

ICT-TC-GFSP-S-4001 is a thermally conductive, electrically insulating gap-filler-spacer based on silicone, with which very good thermal connections can be realized due to its softness and adaptability. In addition to a high thermal conductivity, the elastomer enriched in the special manufacturing process with heat conducting ceramics has excellent technical elasticity and high electrical impact resistance.

ICT-TC-GFSP-S-4001 significantly reduces the overall transfer resistance and provides an optimal thermal path-a very good thermal performance. The first-class combination of thermal and mechanical properties makes the material suitable for a wide range of applications; Wherever large gaps must be bridged from the power component to the heat sink.

ICT-TC-GFSP-S-4001 contains less low molecular siloxane and is characterized by very high reliability. In addition, it offers a balance in terms of best material performance by price & quality.

Due to its natural adhesion, the material can also be affixed very well in advance. The gap-filler-spacer is unilaterally available on both sides and self-adhesive.

## FEATURES

- › High thermal conductivity 3 W/mK
- › Low heat transfer resistance 0,49 °/W (1mm)
- › High electrical shock Resistance > 10 kV/AC(1mm)
- › Very high elasticity and flexibility
- › Excellent Mechanical damping Properties
- › Non-combustible according to UL 94 VO
- › 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

## TYPICAL PROPERTIES

Operating temperature	from -60 to 180 °C
Thermally conductive	Yes
Thermal conductivity	3 W/m*K
Thermal resistance (inch <sup>2</sup> / 645,16mm <sup>2</sup> )	0.2 0.49 0.89
Density	2.7 g/cm <sup>3</sup>
Color	Light Blue
Dielectric breakdown voltage	10.00 kV/mm
Electrically conductive	No
Hardness (Shore 00)	73

ICT4TIM Partners



ICT SUEDWERK GmbH  
INSPIRED CUSTOMIZED TIM SOLUTIONS

Bajuwarenring 12a • 82041 Oberhaching  
Tel: +49 (0)892123102-0 • Fax: +49 (0)892123102-10  
Info@ict-suedwerk.de • www.ict-suedwerk.de

