

FACT SHEET

ICT-TC-GFSP-US-4010

formerly
ICT-FSL-F3



ICT-TC-GFSP-US-4010 is similar to the FSL-D gap-filler-spacer. Its good thermal performance is achieved by a lower hardness and an associated higher compressibility rate, which results in a reduction of the overall transition resistance.



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

DESCRIPTION

In addition to a very high thermal conductivity, the elastomer enriched in the special manufacturing process with heat-conducting ceramics has a very good technical elasticity and high electrical impact resistance.

Thanks to the first-class combination of thermal, mechanical and electrical properties, the Gapfiller-spacer is also suitable for a wide range of applications; Wherever different gaps must be efficiently bridged from the power component to the heat sink.

ICT-TC-GFSP-US-4010 contains low molecular siloxane in the middle range and also has very high reliability. Due to its natural adhesion, the material can also be affixed very well in advance. The Gapfiller-spacer is on one side but also on both sides self-adhesive.

TYPICAL PROPERTIES

Operating temperature	from -60 to 180 °C
Thermally conductive	Yes
Thermal conductivity	2 W/m*K
Thermal resistance (inch² / 645,16mm²)	0.39 0.77 1.55 0.31 2.33
Density	1.7 g/cm ³
Color	Light Gray
Dielectric breakdown voltage	10.00 kV/mm
Electrically conductive	No
Hardness (Shore 00)	38

FEATURES

- › Very good thermal conductivity 2 W/mK
- › Low heat transfer resistance 0,49 °/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 VO
- › One-sided self-adhesive (AV) or self-adhesive on both sides.

DELIVERY FORMS / APPLICATIONS

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

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

