

FACT SHEET

ICT-FSL-B



ICT-FSL-B is Denka's economy grade, featuring excellent balance between thermal conductivity and computability.



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

DESCRIPTION

ICT-FSL-B is the entry-level model of the thermally conductive, electrically insulating gap filler spacers based on silicone. The elastomer has an excellent balance between thermal conductivity and thermal transfer resistance.

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

ICT-FSL-B offers very good thermal performance. The gap filler spacer significantly reduces the overall transition 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-FSL-B has very high reliability. Due to its natural adhesion, the material can also be easily pre-affixed

TYPICAL PROPERTIES

Operating temperature	from -60 to 180 °C
Thermische Leitfähigkeit	56 W/m*K
Thermally conductive	Yes
Density	2.8 g/cm ³
Flammability (UL 94)	V-0
Color	Light Blue
Dielectric breakdown voltage	10.00 kV/mm
Electrically conductive	No

FEATURES

- › High Thermal conductivity 4 W/mK
- › Low heat transfer resistance 0, 50c °/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

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 in roll format and by arrangement (material thickness 1mm) possible

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

