

## FACT SHEET

# ICT-FSL-HR



FSL-HR is the high-performance spacer of the Thinka lineup. In addition to its excellent electrical and mechanical properties, this material also has the highest thermal conductivity of 8 W/mK at the same time very good Rth.



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

## DESCRIPTION

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-HR offers excellent thermal performance. The gap filler spacer significantly reduces the overall transfer resistance and provides an optimal thermal path-for a very good thermal performance. The first-class combination of very high 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.

## TYPICAL PROPERTIES

<b>Durchschlagspannung</b>	<b>-60 .. 180 kV (AC)</b>
<b>Dielectric breakdown voltage</b>	<b>10.00 kV/mm</b>
<b>Electrically conductive</b>	<b>No</b>
<b>Density</b>	<b>3.3 g/cm<sup>3</sup></b>
<b>Color</b>	<b>Gray</b>
<b>Hardness (Shore 00)</b>	<b>76</b>
<b>Thermally conductive</b>	<b>Yes</b>
<b>Thermal conductivity</b>	<b>8 W/m<sup>2</sup>K</b>

## FEATURES

- › High Thermal conductivity 8 W/mK
- › Low heat transfer resistance 0.38 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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