

FACT SHEET

ICT-TC-GFSP-SF-5010



Neueste Generation silikonfreier Gapfiller-Pads von ICT SUEDWERK

5 GAP FILLERS, PADS, SPACERS, SOFT-ULTRA-SOFT GEL SILICONE-FREE



DESCRIPTION

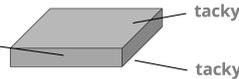
The **ICT-TC-GFSP-SF-5010 Series** is composed of a silicone free resin-based thermoplastic elastomer (TPE), offering good thermal conductivity of 2.50 W/mK in addition to maintaining silicone's superior heat resistance and electrical insulation properties. The product has been shown to have lower molecular siloxane volatilization and low total volatile gas, ensuring there is no electrical contact or other pollution problems.

The **ICT-TC-GFSP-SF-5010 Series** is characterized by very good thermal conductivity combined with outstanding electrical insulation properties based on advanced composite material technologies.

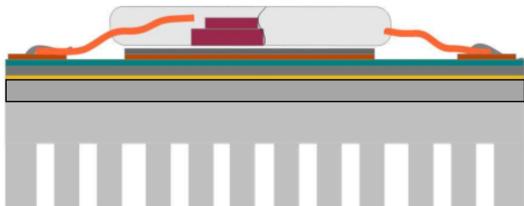
The **ICT-TC-GFSP-SF-5010 Series** is soft, flexible, and has good **springback behavior**. Its low hardness, which ensures good compressibility, as well as its stress relaxation properties, low specific weight, and very good price-performance ratio are what make this material stand out.

ICT-TC-GFSP-SF-5010 Series is available in material thicknesses from 0.5~10.00 mm. Further material thicknesses available at request.

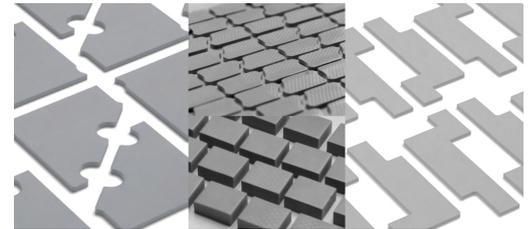
TYPICAL PROPERTIES

Product Configuration	Material structure
ONE - LAYER TYPE SILICONE FREE RESIN BASED THERMOPLASTIC ELASTOMER (TPE)	 tacky tacky
Color	Gray
Density	2.4 g/cm³
Hardness (Shore 00)	60
Compressibility @ 20psi	22 %
Dielectric breakdown voltage	16 kV/mm
Thermal conductivity	2.5 W/m*K
Thermal impedance @ 20 psi	≤ 0.682 C°-in²/W

IMAGES



ICT-TC-GFSP-SF-5010 - Profile



ICT-TC-GFSP-SF-5010 - Picture Collage

Image may differ from product

FEATURES

- › The ICT-TC-GFSP-SF-5010 Series is made from a non-silicone, resin-based TPE material.
- › It offers good thermal conductivity and very low thermal resistance.
- › The material features tacky surfaces and is soft, flexible, and highly compressible, allowing it to perform effectively under low contact pressure.
- › It also provides excellent electrical insulation and meets UL 94 V-0 flammability certification.
- › The ICT-TC-GFSP-SF-5010 Series is environmentally compliant with RoHS 2.0, halogen-free, and REACH standards.

DELIVERY FORMS / APPLICATIONS

- Optical and sensitive electronic components
- Optoelectronic industry
- Components requiring a viscous (tacky) surface
- HDDs and network communication products
- Electric vehicles (EVs) and new energy battery systems
- 5G base stations and infrastructure
- Wearable devices, and related applications

ICT4TIM Partners



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