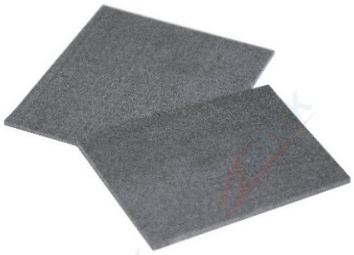
TIF®900-15S Series
Thermal Conductive Absorbing Material



TIF®900-15S Series is an absorbing product made of flexible materials. This material has excellent bending and deformation capabilities, and is not only suitable for applications with spatial gaps or cavity structures, but also has a wide range of applicable frequency bands, which can maintain stable absorption performance over a wide frequency range. When the cavity cover plate comes into contact with the internal gasket and produces compression, it can act as a buffer to prevent the gasket from causing damage to surrounding components.

Features

- Good thermal conductivity
- Soft and adaptable
- Flame retardant, high temperature resistance
- Combines high power tolerance and high magnetic loss characteristics

Applications

- Data Communications / Telecommunications Sector
- Industrial Sector
- Consumer Electronics Sector
- Automotive Electronics Sector

Typical Properties of TIF®900-15S Series

Property	Value		Test Method
Color	Dark Gray		Visual
Construction	Ferrite filled silicone rubber		-
Thickness Range (inch/mm)	0.010~0.020 0.25~0.50	0.030~0.200 0.75~5.00	ASTM D374
Hardness (Shore OO)	65	45	ASTM D2240
Density (g/cm^3)	3.9		ASTM D792
Recommended Operating Temperature (°C)	-40~200		-
Thermal Conductivity (W/m·K)	1.5		ASTM D5470
	1.5		ISO22007
Flame Rating	V-0		UL 94

Application Guide

This flexible material has a lower deformation rate and is suitable for various cavity applications; when the cavity cover may come into contact with and compress the absorbing material, potentially causing damage to other components, this material is the preferred solution.

In addition, the TIF®900-15S material can more fully fill the cavity and significantly enhance overall absorption performance by reducing electromagnetic wave leakage around the absorbing material.

This material can be applied in commercial data communication equipment, and is suitable for where installation space is limited and high absorption performance is required.

Product Identifier

TIF9 00 - 15S

- 15S: Thermal Conductivity: 1.5 W/m·K & Hardness: 45
- 00: Thickness: 10 mils~200 mils
- TIF9: Product Series

Global solutions: Local support
China: +86-769-38801208
Taiwan: +886-2-2277-1007
Canada: +001-604-2998559
Vietnam: +84-396852859

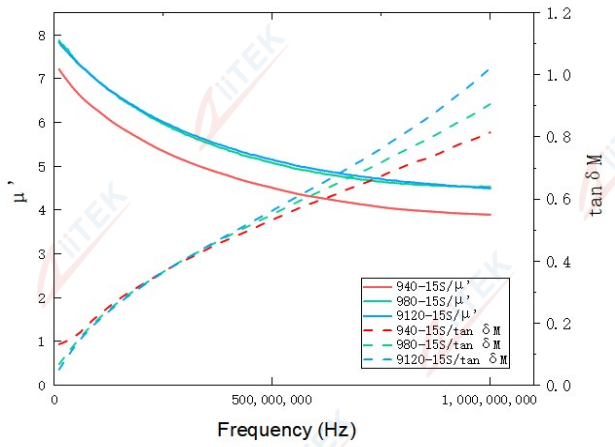
service@ziitek.com

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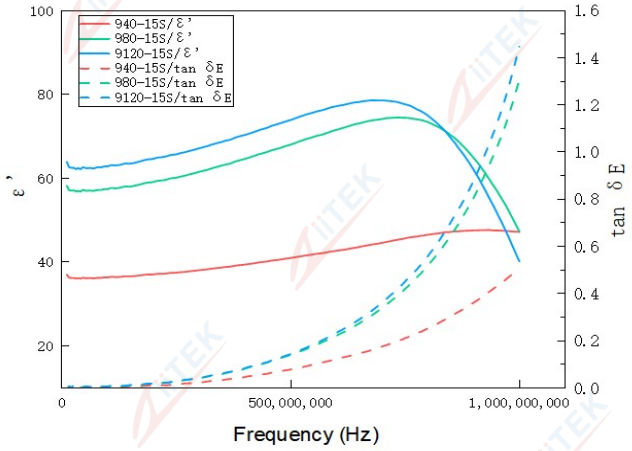
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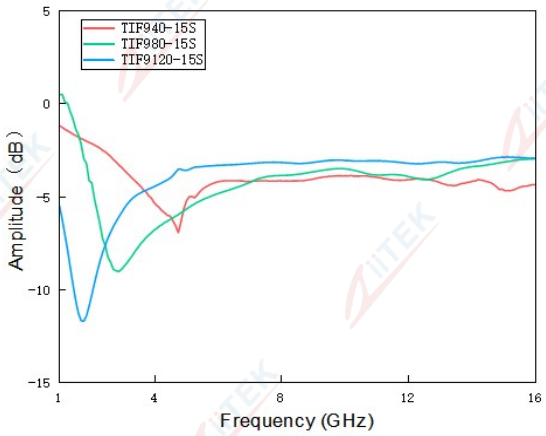
Magnetic Permeability



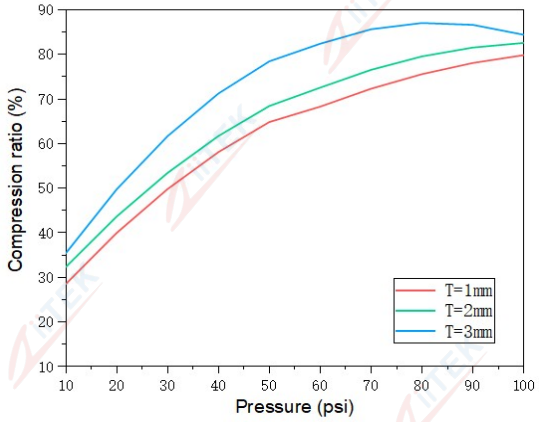
Dielectric Constant



Reflection Loss



Compression Ratio



Product Specifications

Standard Thickness: 0.010" (0.25 mm)~0.200" (5.00 mm)， with increments of 0.010" (0.25 mm)

Standard Size: 12"× 12"(305 mm × 305 mm)

Component Codes:

Reinforcement Fabric: FG (Fiberglass).

Coating Options: NS1 (Non-adhesive treatment),

DC1 (Single-sided hardening).

Adhesive Options: A1/A2 (Single-sided/Double-sided adhesive).

The TIF®900 series are available in additional thicknesses and size specifications, and support customization of specific shapes according to customer requirements.

For more information about thermal conductive materials, please contact our company.

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