

# FABRIC-OVER-FOAM (FOF)

## Description

Fabric-Over-Foam (FOF) is a liner material with conductivity and shielding effect. The inner product is a amino acid acetate or thermoplastic rubber material. The outer layer is a metallized fabric. Double-sided pressure-sensitive adhesive used to install the two materials into one product. By choosing the appropriate coating fabric, you can ensure that a wide range of electrochemical compatibility between the substrate. With a good design, we can provide customer the best option for assembly.



## Features and Benefits

- Excellent Elastic Recovery
- Suitable to Fill Larger Gap
- Low Compression Force
- Able to Bear Bi-directional Compression
- Easy to Install, Easy to plating and Welding
- Persistent Fatigue Resistance
- Excellent conductivity and Ultra-low Permeability
- Wide Range of Temperature Change Adaptation
- Incombustible material and Corrosion-Resistant

## Applications

- For Low Compression Force Consumer Electronics
- Suitable for 100KHz to 1GHz Product
- Can Work in Wide Temperature ( -35°C to 75°C )
- Can be Applied From Small Handheld Devices to Large Shielding Room
- Effective for Low Surface Resistance Less Than 0.05Ω/square

## Fabric-Over-Foam (FOF)

*Notes: The below technical data and information should be thought as typical or representative only, and should not be used for specification purposes.*

## TYPICAL ADVANTAGE OF "Fabric-Over-Foam (FOF)"

- In 20MHz -10GHz range, shielding effectiveness is greater than 80dB (MIL-G-83528).
- Low surface resistance of less than 0.05 Ω/square with excellent conductive properties.
- Good abrasion resistance and frequent use does not affect the actual shielding.
- Able to work in a relatively wide temperature range (-35°C to 75 °C).
- Halogen-free & flame retardant with UL certification of UL94-VO, UL94HB or HF-1.
- Good conductivity and high shielding effectiveness (≥ 80dB).
- A good antioxidant and anti-corrosion material.
- Have very good wear resistance and high reliability (≥ 100 million times).
- Very soft product and suitable for application that does not allow great pressure.
- Excellent cost effective for EMI shielding material.
- Installation is simple and diverse. Suitable for paste and slot application.
- Product adhere to ROHS, Halogen Free, REACH, UL94-VO requirement in general.
- Able to provide optimal shielding solution for customer requirement.

## LISAT

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