



Conductive foam

HF-0 Series

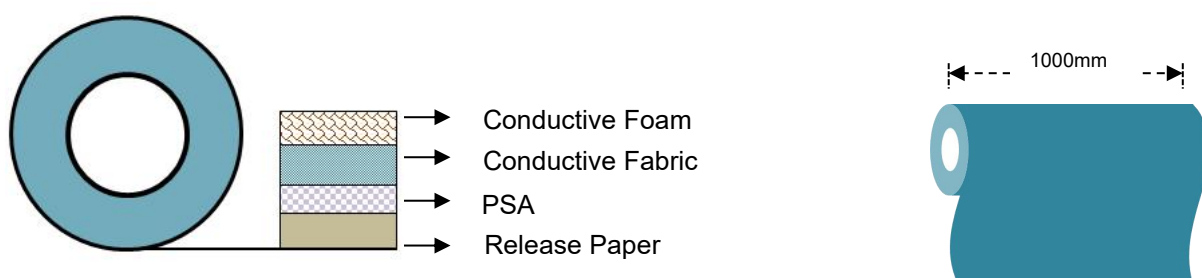
Technical Data Sheet

Version Number: A-b

❖ Product Introduction

HF-0, conductive foam after preprocessing on the foam sponge, is coated with the metal shielding layer by chemical plating and electroplating process, so that it will be conductive with metal characteristic. A special electromagnetic shielding solution is developed by coating acrylic conductive pressure sensitive adhesive through special process.

❖ Product Structure



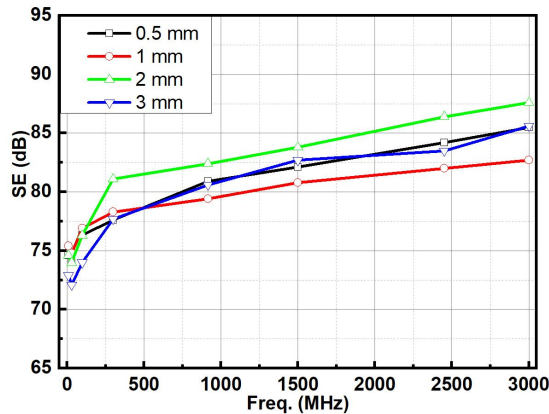
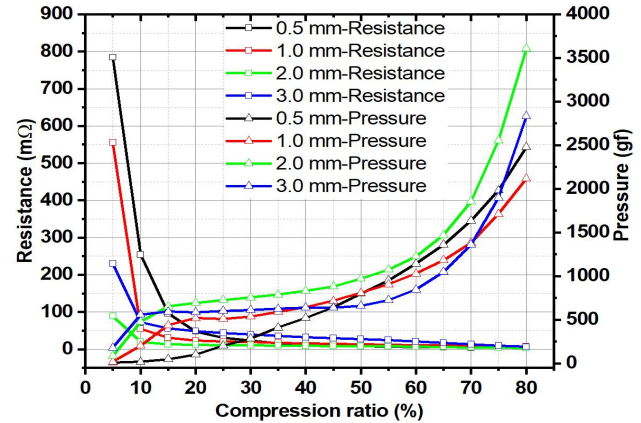
❖ Product Performance

- Low impedance, good electromagnetic and grounding performance;
- Shock absorption, and excellent resilience;
- It has good bonding strength, which can be quickly established for different metal materials;
- Good die cutting handling characteristics.

❖ Features

Features	Data	Test Standard
Color	Gray	/
Thickness (mm)	HF020	0.2±0.1
	HF030/HF050/HF080	0.3/0.5/0.8±0.15
	HF100/HF150/HF200/HF250	1.0/1.5/2.0/2.5±0.3
	HF300/HF350/HF400/HF450/ HF500	3.0/3.5/4.0/4.5/5.0±0.4
Peel Strength(N/25mm)	≥ 10	ASTM D3330
Surface Resistance (Ω)	≤ 0.1 (≤3.0mm); ≤ 0.2 (> 3.0mm)	Saintyoo TM
Z-Ron (Ω)	≤ 0.05	Saintyoo TM
Shielding Effectiveness@10MHz~3GHz (dB)	≥60	SJ20524-1995
Maximum Compression Quantity	≥80%	/
Release Material	White silicone release paper	/

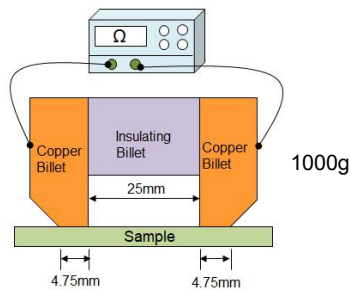
Characteristic curve



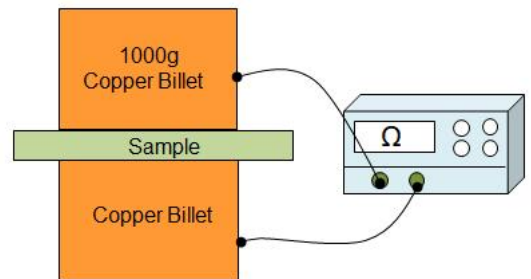
Note: The data listed are typical values for laboratory tests and should not be considered as a technical specification.

Resistance Test Method

1) Surface Resistance (Ω)

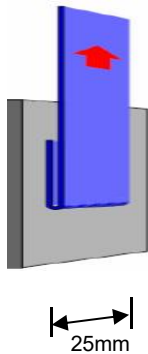


2) Z-Ron (Ω)

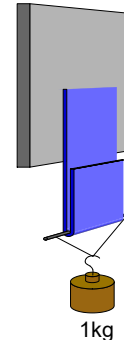


Tension Test Method

1) Adhesive Strength (N/25mm)



2) Fixed Load Peeling (H)



❖ Application

The product is widely used in mobile phone, tablet, laptop and other electronics inner structure, such as FPC, PCB, speaker, antenna, camera and other modules.

❖ Duration and Storage Condition

- Best duration: within 6 months
- The Best storage condition: 6°C~34°C/0~65%RH in packing case.

Special Declaration: We suggest user do adaptability test before the formal use of this product. Due to the diversity of practical application, our company do not guarantee that the problem appear in a specific condition, thus our company will not be responsible for any direct, indirect or accidental damage. You can contact my company's after-sales service when problems encountered in the use, we will try to help you.