

Conductive Foam 27-121 Series

Version TDS.27-121 V.B.2

Description

JONES-Tape 27-121 is a electrically conductive adhesive Foam tape for RF Shielding and RF grounding. It is constructed of nickel/copper plated polyurethane foam printed with conductive ink and backed on Ni/Cu plated nonwoven fabric substrate with a conductive pressure sensitive adhesive (PSA). 27-121 provide an easy and economical solution to applications requiring excellent electrical conductivity between the contact flange or substrates. The foam tape can be used to fill gap cross the substrate to keep RF electrical continuity achieving high RF grounding.



Benefits

- Lighter material
- Low compression force
- Excellent shielding effect
- RoHS compliant
- Halogen free

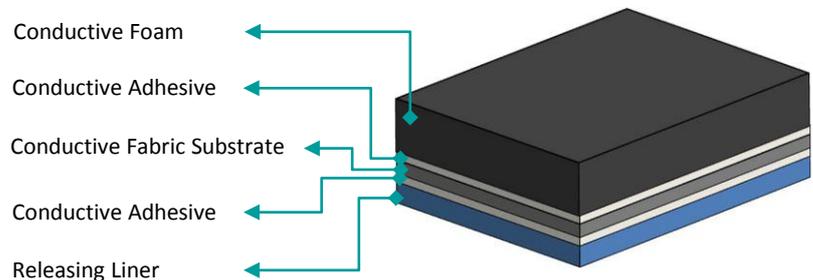
Applications

- Smartphones
- Tablets
- Notebooks / PCs
- Mobile devices
- Wearable electronics

Typical Properties

Properties		27-121	Test Method
Shielding Effect	Shielding Effectiveness 100MHz/3GHz (dB)	>60	ASTM D4935
Electrical	Surface Resistivity (Ω /sq)	≤ 1	ASTM F390
Physical	Total Thickness (mm)	0.5~12mm	-
	Color	Black	Visual
	Adhesive Peel Strength to SUS (N/25mm)	8	ASTM D3330
	Operating Temperature Range	-10~80°C	-

Structure Of Conductive Foam



Standard Products

Part Number	Thickness	Tolerance
27-121-0050	0.5mm	± 0.2 mm
27-121-0100	1mm	± 0.2 mm
27-121-0150	1.5mm	± 0.2 mm
27-121-0200	2mm	± 0.3 mm
27-121-0250	2.5mm	± 0.3 mm
27-121-0300	3mm	± 0.3 mm
27-121-0350	3.5mm	± 0.3 mm
27-121-0400	4mm	± 0.3 mm
27-121-0600	6mm	± 0.3 mm
27-121-1200	12mm	± 0.3 mm

Declaimers

- The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the issuing date of this TDS. When using our products, no matter what type of equipment they might be used for, be sure to make a written agreement on the specifications with us in advance. The design and specifications in this TDS are subject to change without prior notice.
- Do not use the products beyond the specifications described in this TDS. This TDS explains the typical performance of the products as individual component. Before use, check and evaluate their operations when installed in your products.
- Install the following systems for a failsafe design to ensure safety if these products are to be used in equipment where a defect in these products may cause the loss of human life or other significant damage, such as damage to vehicles (automobile, train, vessel), traffic lights, medical equipment, aerospace equipment, electric heating appliances, combustion/gas equipment, rotating equipment, and disaster/crime prevention equipment.

