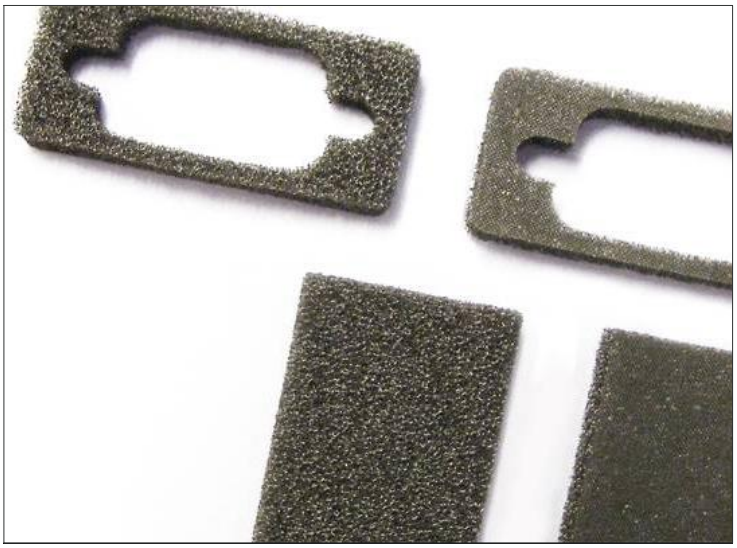
Electro-Conductive Foam

Product Overview

Electro-Conductive Foam (ECF) is a modified Polyurethane foam with a Polyester mesh backing. The layers of the material are coated with Copper/Nickel. ECF comes in various thicknesses and widths that are used for many applications and protection to IP50 or greater. The material lends itself to die-cut type gasket situations and we are happy to discuss material options with you to achieve the best solution.

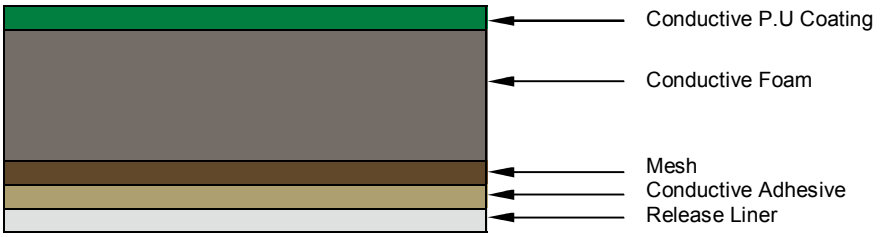


Typical uses:

- Connector gaskets
- Back plane gaskets
- EMI window gaskets

Please call us to discuss material options for the optimum solution.

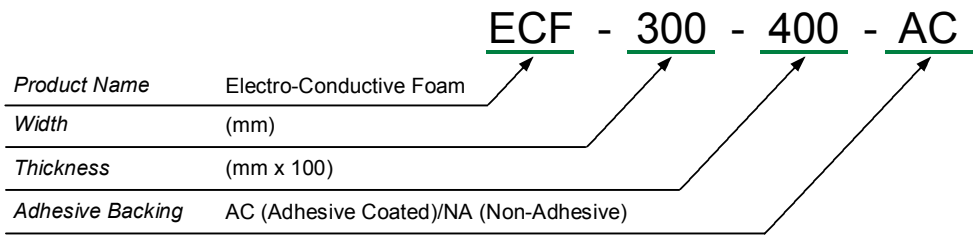
Construction



Characteristics

Material	P.U Coating	Polymer resin: Polyurethane	
	Conductive foam	Polyurethane foam: Copper/ Nickel plated	
	Mesh	Polyester Woven mesh: Copper/ Nickel plated	
	Adhesive	Conductive adhesive	
	Release Liner	CP paper or film (70µm)	
Properties	Conductive Adhesive Resin Composition	Acrylic copolymer + Nickel powder	
	Thickness (mm)	0.3 – 4.0	
	Width (mm)	Max 300	
	Length (m/roll)	10/25/50	
	Adhesive Strength (180° peel * gf/25 mm)	>1,000	26°C at 60% RH SUS 304 Plate 30min, 300mm/min
	Holding Strength (sec)	>3,600	PET film (25µm), 40°C, 500g
	Resistivity (Ω/sq)	<0.2	EMQI-1031 (25 mm/0.5 Kgf)

Product Selection Code



Above example: 300mm wide, 4mm thick, adhesive-coated ECF.

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