

# 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.

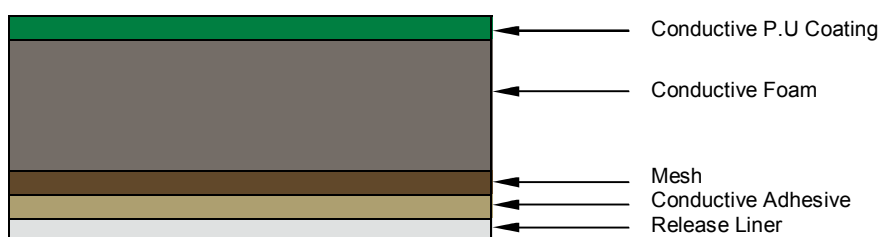
Typical uses:

- ▶ 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

		<u>ECF</u>	-	<u>300</u>	-	<u>400</u>	-	<u>AC</u>
Product Name	Electro-Conductive Foam							
Width	(mm)							
Thickness	(mm x 100)							
Adhesive Backing	AC (Adhesive Coated)/NA (Non-Adhesive)							

ABOVE EXAMPLE: 300MM WIDE, 4MM THICK, ADHESIVE-COATED ECF.

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