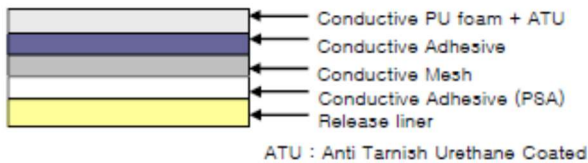


Marcom Electronic Components (UK) Ltd

Conductive Foam – MECF Series

Our EMI Conductive Foam material performs the same function as an EMI soft foam gasket. It establishes a conductive path in electronic devices, establishing a smooth current flow. The EMI Conductive Foam material can be used to cover large surface, giving it an advantage over traditional EMI gaskets.



Part Number List:

Part No.	Sheet size (mm)	Tensile Strength (N)	Elongation (%)
MECF-005P-210x310	210 (l) x 300 (w) x 0.5 (t)mm	L: 230 / W: 210	L: 26 / W: 18.5
MECF-010P-210x310	210 (l) x 300 (w) x 1.0 (t)mm	L: 230 / W: 200	L: 26 / W: 18.5
MECF-015P-210x310	210 (l) x 300 (w) x 1.5 (t)mm	L: 225 / W: 210	L: 26 / W: 19
MECF-020P-210x310	210 (l) x 300 (w) x 2.0 (t)mm	L: 230 / W: 220	L: 26.5 / W: 18.5
MECF-030P-210x310	210 (l) x 300 (w) x 3.0 (t)mm	L: 239 / W: 227	L: 26.5 / W: 18.5
MECF-040P-210x310	210 (l) x 300 (w) x 4.0 (t)mm	L: 239 / W: 227	L: 26.5 / W: 18.5

Characteristics:

Item	Standard	Reference
Material	PU Foam + Mesh + ATU, Cu/Ni Plating	
Conductive adhesive resin composition	Acrylic ester polycol copolymer + Nickel powder	
Colour	Dark Grey	MIL-G-83528
Pore Count	80 ppi $\pm$ 10	ASTM D 3574-86
Surface Resistance	$<0.2 \Omega / =$	Test by MIL-G-83528
Volume Resistance	$<0.2 \Omega / - \text{cm}$	ASTM D 4935
Shielding Effectiveness (db)	Min 50	Test by ASTM D 4935 Method
Temperature Range (°C)	-10 ~ + 85	-
Recommended compression rate	15% ~ 30%	Different compression rate by load
180° Peel Adhesion	Min: 1000gf	KS T 1028
Holding Power	>3600 sec	PET film (25 μ m) 25mm x 25mm/ 40°C, 500g

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