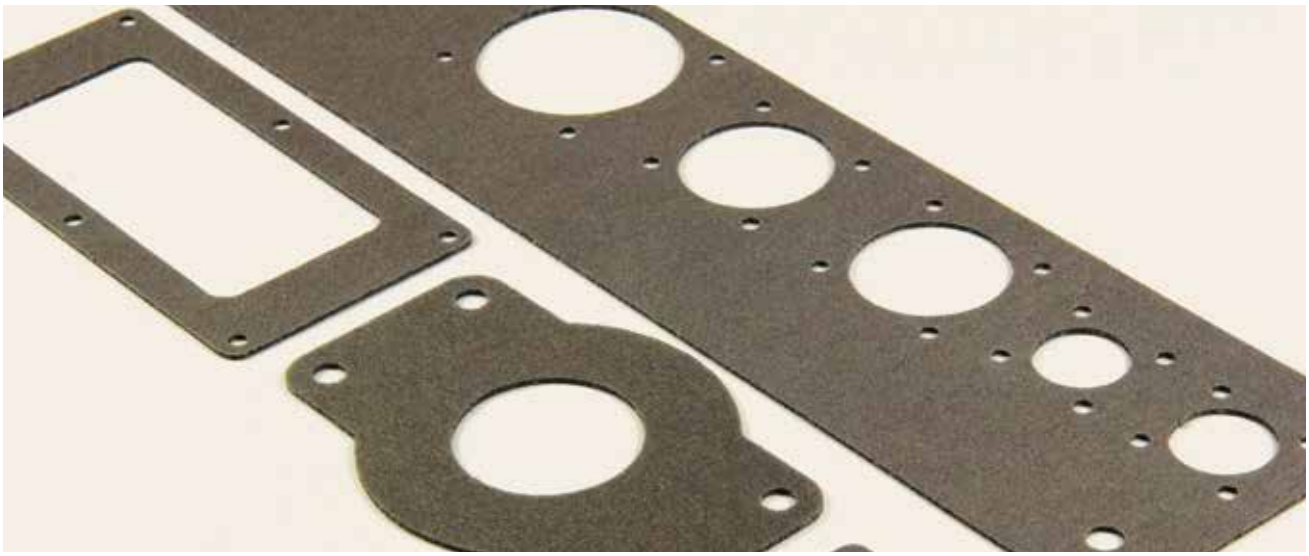
Conductive Foam



Product Overview

Kemtron conductive foam is a low density PET and polyurethane foam which is copper + nickel coated throughout giving X, Y and Z axis low resistance electrical conductivity thereby giving excellent EMI shielding performance when used as an EMI gasket. The material is UL94 V-1 flame retardant.

Application

- Low compression sheet gasket material suitable for die cutting or slitting for gasket applications such as I/O panels, backplanes, connectors, access panels etc.

Availability

- Thickness: 1.5mm, 2.3mm, 3.4mm
- Rolls up to 56 cm wide with or without conductive transfer adhesive.
- Die cut to drawing
- Strips to custom widths.

Design Considerations

- These materials are not suitable for joining or fabricating. Gaskets are only available as a single part.
- The material is not suitable in sliding applications.
- Recommended compression: 30%.
- Self-adhesive backing (conductive).
- Minimum material width should not be less than 2mm or at least the material thickness in any part of the gasket. If this cannot be achieved around fixing holes consider using a slot.

Shielding Effectivness

Thickness	Product code	Surface resistivity	Volume resistivity	Shielding effectiveness 100 MHz	Shielding effectiveness 1 GHz
1.5mm	2400-0015	0.05 Ω/sq	0.015 Ω/sq	80 dB	83 dB
2.3mm	2400-0023	0.07 Ω/sq	0.014 Ω/sq	88 dB	104 dB
3.4mm	2400-0034	0.08 Ω/sq	0.013 Ω/sq	80 dB	103 dB

Notice

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