2500 Series UL 94 V-O Halogen Free Fabric Over Foam

Tech Etch introduces our new 2500 series fabric over foam product offering. These gaskets are UL-94 V-0 certified and Halogen free and are available in over 150 profiles and sizes. Our electrically conductive nickel-plated copper nylon ripstop fabric over resilient open cell core polyurethane gaskets provide the electrical characteristics necessary for high attenuation shielding. Bonding the conductive substrate to the foam core assures self-termination of gaskets provided in standard or cut lengths. RoHS, REACH and UL 94 V-0 Halogen free compliance ensures that these gaskets are environmentally friendly.

SPECIFICATIONS

CHARACTERISTIC	UNIT OF MEASURE	VALUE	TEST METHOD
SURFACE RESISTIVITY	INCH	≤ 0.07	ASTM F390
SHIELDING EFFECTIVENESS	dB	≥ 85 (10MHz – 3GHz)	MIL DTL 83528C
COMPRESSION SET	INCH	≤ 15%	ASTM 3574
COMPRESSION FORCE	lbs per sq. inch	1-3 at 50% compression	/
FLAME RETARDANT GRADE	/	V-0 Halogen Free	UL94

STICK ON MOUNTING

Uses double-sided pressure sensitive transfer tape for a fast, reliable installation (3M 467 nonconductive adhesive or equivalent). Apply only on a clean, oil-free surface and allow a 24-hour cure time. Conductive tape available, please consult factory.

MATERIAL CHARACTERISTICS

High Shielding Effectiveness
Low Compression
Low Surface Resistivity
Operating Temperature: -40°F - 158°F (-40°C - 70°C)
Fabric - Nickel Copper Ripstop
Core - Open Cell Polyurethane

APPLICATIONS

Access Panels
Connectors
Grounding of Enclosures
Hinged Doors
I/O Panels
Shielding

TOLERANCES

PROFILE		LENGTH			
± 0.10 in (0.25 mm) for all dimensions up to 0.04 in (1.02 mm)		0.20 to 6.00 in	(5 – 152 mm)	± 0.03 in	(0.76 mm)
±0.20 in (0.50 mm) for all dimensions above 0.04 in (1.02 mm)		6.01 to 18.00 in	(153 – 457 mm)	± 0.06 in	(1.52 mm)
Larger sizes available. Please consult factory.		18.01 to 48.00 in	458 – 1219 mm)	± 0.08 in	(2.03 mm)

INNOVATING A BETTER WORLD, ONE PART AT A TIME.