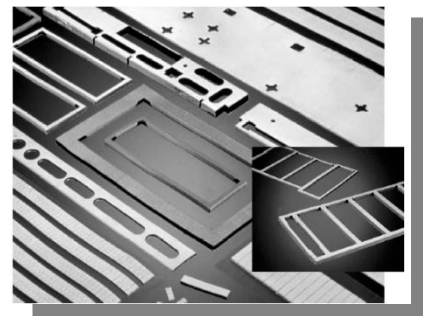
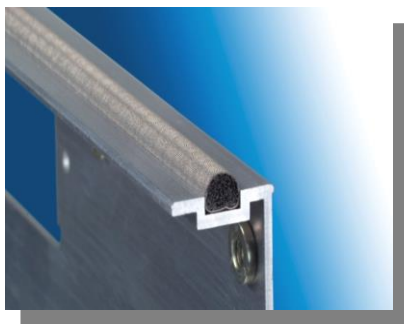
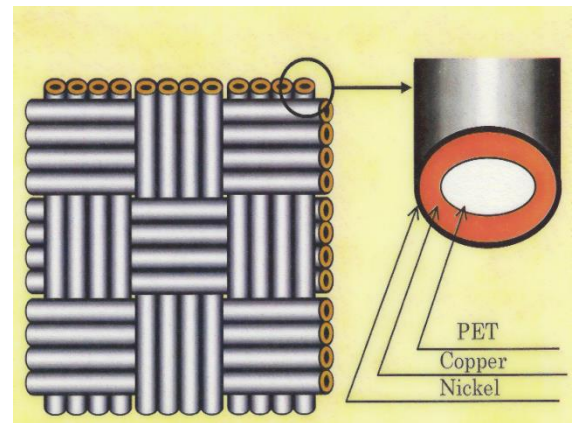
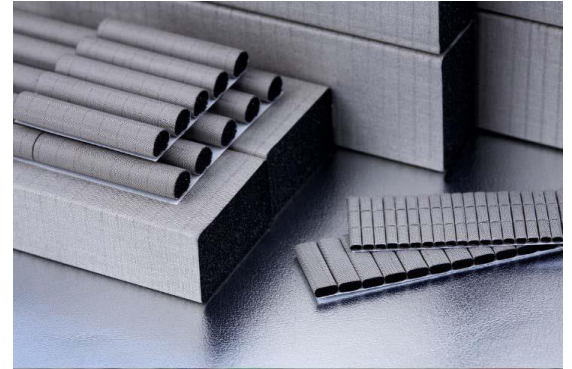


Series 710 – Nickel-Copper Fabric-over-Foam Gaskets

Series 710 is our Nickel-Copper plated Fabric over a Foam core gasket product (FoF). This is our woven “RoHS Compliant” FoF product which features a nickel-copper (NiCu) plated polyester taffeta fabric that is wrapped over a resilient open-cell polyurethane foam core. Our FoF gaskets provide the high electrical conductivity needed for broadband EMI/RFI shielding and the dust and environmental sealing performance needed in standard non-corrosive environments. This cost-effective FoF product is perfect for commercial, consumer, medical and light-industrial applications.

The Series 710 gaskets are available as square, rectangular, D-shape, C-shape, P-shape, and triangular profiles along with other custom shapes and sizes. Rectangular strips are commonly custom die-cut for connector and other I/O applications.



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Website: www.metexcorp.com

Metal Textiles Corporation

Series 710 – Nickel-Copper Fabric-over-Foam Gaskets

Performance Data		Series 710 – NiCu plated Fabric-over-Foam	
	Tolerance/Units	Data	Test Method
Color		Silver-Gray	Visual
Electrical Properties			
Surface Resistance	Ohms/sq	≤0.08ohms/sq	
Shielding Effectiveness	Min		MIL-DTL-83528C
30 MHz (E-Field)	dB	93.6	
300 MHz	dB	95.3	
900 MHz	dB	87.2	
5 GHz	dB	100.2	
10 GHz	dB	94.8	
Physical Properties			
Density (Warp/Weft)	Density/inch	100/160 +/-5	
Compression Load	Lbs/in [g/cm]	1 lbs/in [179g/cm]	
Tensile Strength (Warp/Weft)	Mpa	42/37 +/-10	
Elongation (Warp/Weft)	% (min/max)	17/15 +/-3	
Weight	g/m ²	80 +/- 10	
Compression Set	%	3.54	ASTM D395
Upper Service Temp	max	204C/400F	
Lower Service Temp	min	-40C/-40F	ASTM D1329
Flammability Rating		UL94-VTM-0 UL94-VTM-1	UL94

Pressure-Sensitive Adhesive (PSA) Properties	
Adhesive	.002" acrylic adhesive tape
Liner	.0035" silicone treated low release paper liner
Peel Strength/Adhesion	1000 gf/25mm width to stainless steel after 1 hour @ 22°C/72°F
Recommended Service Temperature	X °C/ X °F to + XXX°C/ XXX°F Short term High Temperature limit: 177°C /350°F Continuous High Temperature limit = 121°C /250°F
Recommended Application Temperature	21°C/70°F to 38°C/100°F
Shelf Life Conditions	24 Months at 22°C/72°F and 50% RH

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