

Section D

METALLISED TEXTILES

Codes - 830-832

DESCRIPTION

SURSHIELD Polyester textile fabrics are covered with a continuous coating of nickel, offering good RFI/EMI shielding, together with a range of mechanical and other properties. We offer four standard products:

51-PMO-100 is plan woven monofilament and has been developed for use in shielded windows, ventilators and semi-rigid Faraday cages.

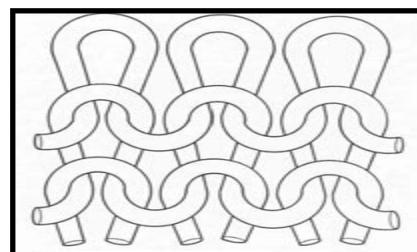
51-PMO-400 is a plan woven monofilament and is intended to be used for shielded ventilators, passive reflectors, curtains and semi-rigid Faraday cages.

51-PMU-100 is a plain woven multifilament and is for passive reflectors, target systems, screens and flexible Faraday cages.

51-PJ-100 is a knitted interlock Jersey developed for wave guide gasket use, seams, passive reflectors, screens and construction of flexible and elastic Faraday cages.

Each fabric has a standard coating weight.

Other weights are available on request.



TYPICAL PROPERTIES

Part Number	Open Surface Area (nom %)	DC Resistivity Surface (ohms/sq)	Screening Attenuation (Far Field Conditions) (dB)		Tolerated Power Density (@12GHz with 10 mins continuous exposure) w/cm ²	Weight G/SM
			@ 10 MHz	@26GHz		
51-PMO-100	45	0.12 / 0.2	60	35	6	105
51-PMO-400	29	0.06 / 0.1	65	65	30	65
51-PMU-100	0	0.08 / 0.1	62	56	3	135
51-PJ-100	0	0.05 / 0.325	45	25	3	210

INSULATED COATED FABRICS

The above fabrics can also be supplied with polyurethane insulative coating on 1 side (for 51-PMV-100 etc) or both sides at an additional cost; PVC coatings, are also available, particularly to act as a weatherproof layer for such applications as outside broadcast TV camera covers.