NewMet

51-PJ-100

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. The material is highly flexible, stretchable and easy to handle. The polyester textile is covered with a continuous coating of nickel, offering good RFI/EMI shielding alongside a range of mechanical and other properties.

Applications	• *Shielding*
Product Features	• *Effective shielding* • *Flexible*
Markets	• *Aerospace* • *Industrial*

Typical properties

Product Property	Value	Test Method	Footnotes
Areal Weight (g/m2)	*210*		
Open surface area (nom %)	*0*		
DC Resistivity Surface (ohms/square)	*0.05 - 0.325*		
Screening Attenuation (Far Field Conditions) (dB)	*45 @ 10MHz, 25 @ 26GHz*		
Tolerated Power Density (W/cm2)	*3*		*@ 12 GHz with 10mins continuous exposure*

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