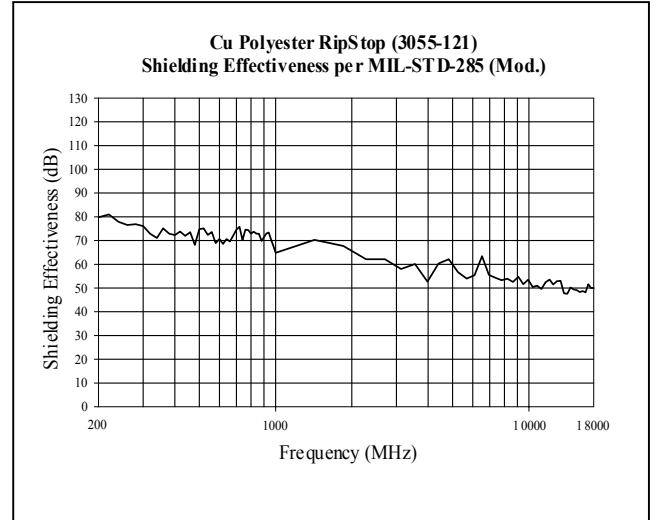




Copper Polyester Ripstop

Product No.: 3055-121

Flectron® Copper Polyester Ripstop is a unique fabric manufactured using a patented, proprietary technology. This technology combines a highly conductive metal with the lightweight, drapability and attractive appearance of a Polyester Ripstop. Copper Polyester Ripstop offers excellent surface conductivity and shielding effectiveness for a variety of applications.



Physical Properties

<u>Property</u>	<u>Units</u>	<u>Value</u>	<u>Advantage</u>
Substrate		Polyester Ripstop	Flexible, Breathable
Metal		Cu	Highly Conductive
Basis Weight	oz./yd. ² g/m. ²	2.0-2.7 68-92	Light Weight
Thickness, (nominal) (ASTMD1777)	Inches microns	0.007 178	Thin and Drapable
Metal Weight	oz./yd. ² g/m. ²	0.40-.070 14-24	Excellent Electrical Properties
Max Short Duration Temperature		210°C	Allows Thermal Processing

Electrical Properties

<u>Property</u>	<u>Units</u>	<u>Value</u> ^{fi}
Surface Resistivity (ASTM F390)	ohms/square	≤ 0.01
Far-field Shielding	Effectiveness	(typical)
At 100 MHz	dB	90
At 1 GHz	dB	80

Mechanical Properties

<u>Property</u>	<u>Units</u>	<u>Value</u> ^{fi}
Tensile Strength CMD/MD [◇] (ASTM D5035)	lb./in N/100mm	60/65 1050/1138
Elongation, MD (ASTM D5035)		27%
^{fi} Typical values for greige fabric.		
[◇] Cross Machine Direction/Machine Direction		

FLECTRON® Copper Polyester Ripstop can be used in many different configurations to protect against EMI/RFI and ESD in a variety of applications. Typical applications include: enclosures, cables, gaskets, tapes, and grounding.

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