

阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

Read Statement

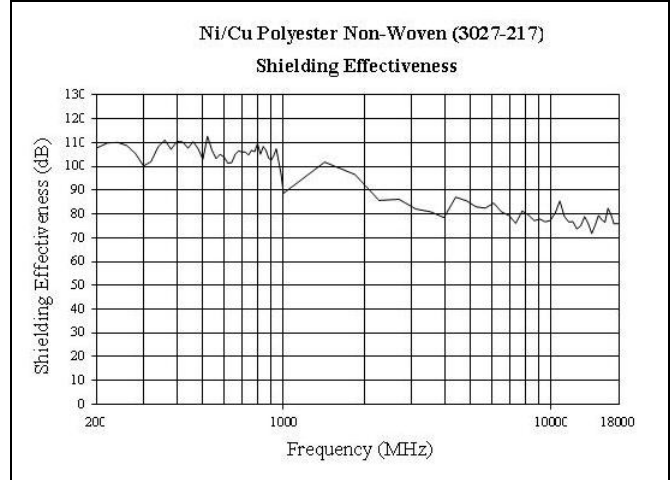
1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .



Nickel/Copper Polyester Nonwoven

Flectron® Nickel/Copper Polyester Nonwoven is a unique fabric, manufactured using a patented, proprietary technology. The base layer is highly conductive copper, with an outer layer of nickel for corrosion resistance. This technology combines the properties of these metals with the lightweight, permeability and flexibility of a nonwoven. Nickel/Copper Polyester Nonwoven offers excellent surface conductivity, shielding effectiveness, and corrosion resistance for a variety of applications.

Product No.: 3027-217



Physical Properties

Property	Units	Value	Advantage
Substrate		Polyester Nonwoven	Flexible, Breathable
Metal		Ni/Cu	Corrosion Resistant Highly Conductive
Basis Weight	oz./yd. ² g/m. ²	2.8 – 4.5 95 – 152	Light Weight
Thickness, (nominal) (ASTM D1777)	Inches microns	0.016 432	Provides excellent shielding
Metal Weight	oz./yd. ² g/m. ²	0.65 – 2.5 22 - 84	Excellent Electrical Properties
Max Short Duration Temperature		210°C	Allows Thermal Processing

Electrical Properties

Property	Units	Value ^{fi}
Surface Resistivity (ASTM F390)	ohms/square	≤ 0.07
Far-field Shielding	Effectiveness	(typical)
At 100 MHz	dB	105
At 1 GHz	dB	90

Mechanical Properties

Property	Units	Value ^{fi}
Tensile Strength CMD/MD ^o (ASTM D5035)	lb./in N/100mm	7.5/18.5 128/324
Elongation, MD (ASTM D5035)		9%
^{fi} Typical values for greige fabric.		
^o Cross Machine Direction/Machine Direction		

FLECTION® Nickel/Copper Polyester Nonwoven can be used in many different configurations to protect against EMI/RFI and ESD for a variety of applications and environments. Typical applications include: architectural shielding, gaskets, tapes, shielding materials, and ribbon.

NOTICE: Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Laird Technologies makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Laird Technologies be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. Nothing contained herein is to be construed as a recommendation to use any product, process equipment or formulation in conflict with any patent, and Laird Technologies makes no representation or warranty, express or implied, that the use thereof will not infringe any patent. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.