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Arnold Magnetic Technologies Highlights Molypermalloy Precision Thin Metals for Consumer Electronics

Nickel Irons and soft magnetics ideal for RFI and EMI shielding and other applications

Rochester, NY: Arnold Magnetic Technologies Corporation (“Arnold”), a subsidiary of Compass Diversified (NYSE: CODI) and leading global manufacturer of high-performance magnets and Precision Thin Metals, highlights its Thin Molypermalloy product offerings. With its high magnetic permeability, Molypermalloy is especially suited for RFI and EMI shielding in the Consumer Electronics industry.

To construct its Molypermalloys, Arnold utilizes nickel-iron alloys and other soft magnetic materials because of their high permeability and low core losses. These soft metal characteristics make them ideal for high performance and efficient energy storage, transfer, and shielding. As with its other products, Arnold offers unique material customization to maximize permeability at customers’ target application frequency.

Arnold also offers adapted testing for Molypermalloys and other high-frequency materials to better predict material performance across applications. Arnold’s standard testing system can measure iron losses up to 20kHz in electrical steels. For applications that operate at higher frequencies, its new High Frequency Tester can provide permeability results, both real and anticipated, from 1MHz - 2.5GHz. These results will be used to inform processing conditions and tailor the material’s response to customers’ unique application needs.

The high permeability, efficiency, and adaptability of Arnold’s Molypermalloys make them an ideal fit for RFI and EMI shielding in Consumer Electronics applications. Arnold’s Thin Molypermalloy is available in a range of thicknesses, 0.01” – 0.00031” or 0.00030” – 0.00008”, depending on the width.

For more information on Arnold’s Nickel Irons and Soft Magnetics, visit:
<https://www.arnoldmagnetics.com/materials/nickel-irons-soft-magnetics/>

To read more about Thin Molypermalloy Applications for Electromagnetic Shielding, visit:
https://www.arnoldmagnetics.com/wp-content/uploads/2021/02/Tech-Notes_Thin_Molypermalloy_Applications.pdf

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About Arnold Magnetic Technologies

Based in Rochester, NY with an operating history of more than 125 years, Arnold is a leading global manufacturer of engineered solutions for a wide range of specialty applications and end-markets, including aerospace and defense, general industrial, motorsport, oil and gas, medical, and energy. From its Technology Center and manufacturing facilities located in the United States, the United Kingdom, Switzerland, and China, the company produces engineered magnetic assemblies in addition to high-performance permanent magnets, precision foil products, and highly loaded composites that are mission critical in motors, generators, sensors, and other systems and components. Based on its long-term relationships, the company has built a diverse and blue-chip customer base totaling more than 2,000 clients worldwide. For more information on Arnold, visit <https://www.arnoldmagnetics.com>.