



AMETEK
SPECIALTY METAL PRODUCTS DIVISION

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AMETEK EXTENDS NICKEL/CHROME ALLOY CAPABILITIES IN THE METALS AND WELDING INDUSTRIES

The new process extends chrome content in the binary alloy beyond the industry standard while maintaining ductility for forming operations.

Wallingford, CT - AMETEK Specialty Metal Products Division has developed a process for the production of ductile nickel-chrome strip products. The processing takes advantage of AMETEK's wrought powder metallurgy to extend the range of this binary alloy system with increasing chromium content beyond the industry maximum of 30%. This high purity process ensures a stable product with low impurity levels of Oxygen, Nitrogen and Iron and can include Silicon additions up to 1.5%.

The process is currently producing 35% Chrome sheathing used for the production of hardfacing weld wire product in the boiler industry. The process has already been applied to lower content industry standards such as 80/20 and 70/30 nickel/chrome alloys with immediate success.

The material is available in strip products up to 12" wide in coil form and can also be traverse wound in reels of up to 700 lbs for weld wire sheathing applications.

AMETEK Specialty Metals Products (SMP) is a world leader in metal powders, high purity strip, ultra thin metal foil, specialty wire, metal matrix composites, engineered shaped components and clad metal products with numerous patents in technically advanced metallurgical materials.

AMETEK SMP manufactures or consolidates a variety of metal alloys including stainless steels, nickel-based alloys, cobalt-based alloys, titanium and titanium alloys and master alloys. For over 50 years, it has developed innovative, proprietary products tailored to specific customer applications.

AMETEK, Inc. is a leading global manufacturer of electronic instruments and electromechanical products with annual sales of \$3.0 billion. For more information on Pfinodal alloys, contact AMETEK Specialty Metal Products, 21Toelles Road, Wallingford, CT 06492. Phone: 203-265-6731. Fax: 203-949-8876.