

Gas Atomized, Nickel Alloy Powder for the Plasma Transferred Arc (PTA) Process

EuTroLoy® 16494



COATING

- Specially developed for the plasma transferred arc process
- Spherically shaped to ensure highest purity
- Consistant powder distribution through equipment
- Abrasion and friction resistant coatings



DESCRIPTION:

Eutectic 16494 is a high performance atomized nickel alloy powder optimized to produce a durable, abrasion, and friction resistant machinable coating using the Eutronic® GAP 375 Plasma Transferred Arc Welding process. Controlled composition based on AWS A5.13 and precise particle sizing ensures consistent, porosity free weld deposition, and hardness.

PROCEDURE FOR USE:

For some applications a modest pre-heat may be required. The degree is dependent on the shape and dimensions of the part and the thickness of the deposit.

TECHNICAL DATA:

Hardness: Rockwell C scale: 39

Density: 7.8 g/cc

Hall Flow Rate: 19 seconds

Bulk Density: 4 g/cc

Nominal Composition:

Nickel, Chromium, Boron, Silicon, Iron, Carbon

APPLICATIONS:

- Baffle plates (sugar industry)
- Steam nozzles
- Muller mixer shafts
- Thrust collars
- Armature shafts

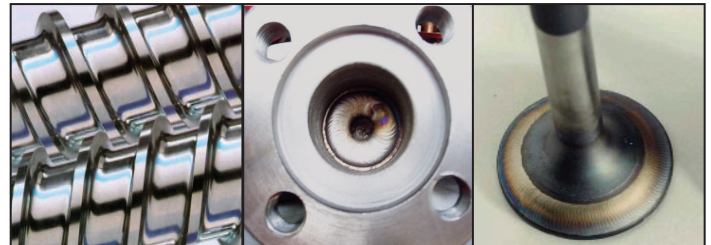
EQUIPMENT:

Made for use in Eutectic's GAP plasma transferred arc equipment. Please contact Eutectic to determine which GAP equipment is right for your coating needs.

HEALTH & SAFETY:

Observe normal spraying practices, respiratory protection and proper air flow pattern advised. For general spray practices, see AWS Publications AWS C2. 1-73, "Recommended Safe Practices for Thermal Spraying and AWS TSS-85, "Thermal Spraying, Practice, Theory and Application." Thermal spraying is a completely safe process when performed in accordance with proper safety measures. Become familiar with local safety regulations before starting spray operations. DO NOT operate your spraying equipment or use the spray material supplied, before you have thoroughly read the equipment instruction manual. Refer to the Eutectic web site for Material Safety Data Sheet (MSDS) information.

DISREGARDING THESE INSTRUCTIONS MAY BE HAZARDOUS TO YOUR HEALTH



Eutectic Castolin develops and manufactures PTA welding units and accessories in various models and sizes either as standard units or as special developments. Our team of technicians will be able to design with you the cost effective and tailor made solution that fits your specific application. From power source to feed unit, welding torch, even handling devices or robots when required, we take care of all the details.

YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS



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