



Ampcoloy 83 vs. BeCu

From a metallurgical perspective Ampcoloy 83 and 95 meet and exceed the required ASTM specifications, which are the industry performance standards.

Some of the specific benefits and advantages of Ampcoloy BeCu alloys for plate and rods are:

A.) 100 % of Ampcoloy BeCu produced plate and rod is manufactured utilizing certified BeCu master alloy and high purity cathode copper. Consistently ultra-clean chemistry.

B.) No recycled industry scrap whatsoever is utilized in the melting and casting processes.

C.) 100 % of Ampcoloy BeCu produced plate and rod is manufactured from a master 2MT BeCu input billet utilizing a proprietary semi-continuous casting process - the input billets consistently exhibit a very fine grained micro-structure with very clean, low carbide chemical compositions.

D.) BeCu plate and rod products exhibit what is referred to as a "very tightly controlled" spread of tensile property values. The manufacturing process is tailored to specifically and consistently yield high strength, high hardness, and high conductivity property values. This insures customers will consistently receive high quality / high performance / high reliability plate and rod materials from "heat lot to heat lot" and "order to order".