

## MATERIAL AMPCOLOY® 83

As the manufacturer of **AMPCO®** alloys, we hereby certify that our material **AMPCOLOY® 83** provides non-sparking properties. The material has been tested and certified by the IBEXU Institute – Test Report No. IB-22-4-022.

**AMPCOLOY® 83** exhibits the following typical nominal properties:

CHEMICAL COMPOSITION (NOMINAL):	
Be (Beryllium)	<b>1.9%</b>
Co+Ni (Cobalt+Nickel)	<b>0.5%</b>
Others max.	<b>0.5%</b>
Cu (Copper)	<b>Balance</b>

MECHANICAL PROPERTIES (NOMINAL):	
Tensile Strength	<b>1310 N/mm<sup>2</sup></b>
Yield Strength	<b>827 N/mm<sup>2</sup></b>
Elongation	<b>5%</b>
Hardness Brinell	<b>360</b>

**AMPCOLOY® 83** Beryllium Copper helps fulfil the recommendations of the European ATEX Directive 1999/92/EC for work in Zones 0, 1, 2 and 20, 21, 22 of all explosion groups.

Disclaimer: The final responsibility for ensuring the safety of workers lies with the employer, based on the results of their risk assessment (EN 1127-1 / EN 13463-1).

The above information is not legally binding, and reference must always be made to the original documents.

**AMPCO METAL** reserves the right to change above specifications when necessary. If changes are made, we will make every effort to inform our authorized distributors promptly.

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Excellence in Engineered **Alloys**