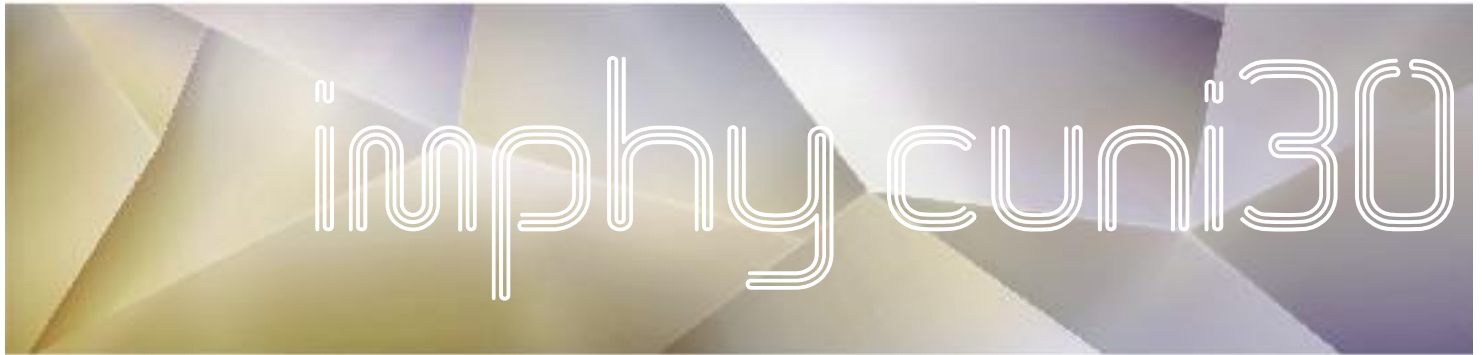


Wire Welding alloys



IMPHY CuNi30 is a Copper Nickel alloy.

Typical analysis

	C	Mn	Si	P	S	Ni	Cu	Fe	Al	Ti	Other	Sum others
Mini						30,0	Rem	0,40		0,20		
Maxi	0,05	1,00	0,15	0,01	0,01	32,0		0,70	0,03	0,50	0,10	0,50

Specifications

AWS A5.7 – ERCuNi ; Werkstoff Nr 2.0837, BS 2901 Part 5 C18

Mechanical properties

Hot rolled descaled	Delivery condition at 20°C	Tensile strength (MPa)	Elongation %	Red. of area %
		< 550	> 40	> 70

Welding

IMPHY CuNi30 is used for welding of Copper-Nickel alloys.

IMPHY CuNi30 is useful for dissimilar welding of Nickel-Copper alloys to Copper-Nickel alloys.

The weld metal has an excellent resistance to corrosion in sea water.

The data enclosed in this document are only given as indicative values and correspond to our standard product. Different specific requirements are subject to discussion and formal approval by Aperam Alloys Imphy. For further information or special request, please contact us.

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