

High performance

IMPHY CuNi30

IMPHY CuNi30 is a Copper Nickel alloy.

Chemical composition

	C	Mn	Si	P	S	Ni	Cu	Fe	Al	Ti	Other	Sum others
Mini.						30	Rem	0.4		0.2		
Maxi	0.05	1	0.15	0.01	0.01	32		0.7	0.03	0.5	0.1	0.5

International standards

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

Typical applications

- > Filler metal
- > Sub sea marine
- > Desalination

Mechanical properties

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

Available Forms

IMPHY CuNi30 is delivered in wire.

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The data enclosed in this document are 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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