

Wire

Welding alloys



IMPHY N99 is low carbon pure Nickel alloy which shows:

- Excellent corrosion resistance in many alkaline media.
- Good mechanical properties within a wide range of temperatures.

Typical analysis

C	Ni
0.1	>99.2

Specifications

AWS A5.15 – ERNi-CI ; UNS N02200, N2201, N2202, N2205 ; WNr 2.4066 & 2.4068
B.S 2901 Part 5 – NA 46

Mechanical properties

Hot rolled and Pickled solution	Delivery condition at 20°C	Tensile strength (MPa)	Elongation %	Red. of area %
		450	> 30	> 60

Welding

IMPHY N99 is used for welding of ductile, malleable and gray cast irons, and for dissimilar welding of cast irons to low alloys and carbon steels.

The weld metal has a good machinability.

Typical applications

Repairs and protection of machines and equipment made of cast irons.

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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