

Wire

Welding alloys



IMPHY N55 is a low-carbon Iron-Nickel alloy:

Typical analysis

C	Mn	Si	S	Fe	Ni	Cu	Al
2	2.5	4.0	<0.03	Bal	45 60	2.5	1

Specifications

AWS A5.15 – ERNiFe-CI ; UNS W82002 ; B.S. 2901 Part 5 – NA

Mechanical properties

Hot rolled and Pickled condition	Delivery condition at 20°C	Tensile strength (MPa)	Elongation %	Red. of area %
		600	< 45	> 65

Welding

IMPHY N55 is used for welding of ductile, malleable, gray cast irons and for dissimilar welding cast irons to carbon steels, low-alloy steels and nickel alloys.

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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