

High performance

IMPHY 62

IMPHY 62 is a Nickel –Chromium Alloy with addition of Niobium:
 > This grade has excellent resistance to high temperature oxidation.

Chemical composition

C	Mn	Fe	P	S	Si	Cu	Ni	Cr	Nb+Ta
0.08	1	6 10	< 0.03	< 0.015	0.35	0.5	70 mini	14 17	1.5 3

International standards

WAWS A5.14 – ERNiCrFe-5 ; UNS N06062

Typical applications

The weld metal deposited from IMPHY 62 has good ductility and can be cold worked readily (it could vary with the dilution).

Mechanical properties

		Tensile strength (MPa)	Elongation %	Red. of area %
Hot rolled and solution annealed	Delivery condition at 20°C	650	> 40	> 65

Welding

IMPHY 62 is used for GTAW, GMAW welding of alloy 600 in thickness up to 50 mm. The weld metal is comparable to the base metal in high temperature strength and oxidation resistance.

Available Forms

IMPHY 62 is delivered in wire.

