

Wire Welding alloys



IMPHY GILPHY 60 is a FeNi60Cr16 electrical-resistance alloy:

- Through the addition of special elements, IMPHY GILPHY 60 has a good high temperature stability and a well-adhering oxide scale even under cyclic conditions.
- IMPHY GILPHY 60 has a maximum service temperature of 1100°C.

Typical analysis

C	Cr	Si	Ni	Mn	Fe
	15,0	1,0	59,0		Bal.
0,1	17,0	2,0	61,0	0,5	

Specifications

- Werkstoff 2.4867
- UNS N06004
- The specification DIN 59115 about the geometry of the wire rod is applicable

Mechanical properties

Tensile strength (MPa)	Elongation A% on 100 mm	Electrical resistivity at 20°C
680 max	30 - 40	110 ± 5% μΩcm

Typical applications

Gilphy 60 is used for heating elements in domestic appliances and industrial equipment.

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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