TIG NI718

Old reference: TIG Ni718

Classification

ISO 18274 : S-Ni 7718 (NiFe19Cr19Nb5Mo3) AMS : 5832
AWS A5.14 : ERNiFeCr-2

Description & Applications

Solid rod for TIG welding of alloys like INCONEL 718, X750, for structural hardening, for high mechanical resistance up to 700°C.
Also used for hardfacing of hot working tools.

Typical Chemical Composition (%)

C	Si	Mn	Cr	Mo	Ni	Nb	Al	Ti	Fe
0.04	0.2	0.2	19.0	3.0	52.0	5.0	0.5	0.9	Rem.

All Weld Metal Mechanical Properties

$R_{p0.2}$ (MPa)	R_m (MPa)	A_5 (%)	KV (J)

Welding Current & Instructions

Welding mode	Shielding Gas
TIG = -	Ar : 6-12 l/min Back shielding : Argon : 3-6 l/min

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