Union Al 99,7

TIG rod, Aluminium

Classifications

EN ISO 18273	AWS A5.10
S Al 1070 (Al99,7)	ER1070

Characteristics and typical fields of application

Pure aluminium welding rod for welding of very pure aluminium materials for applications in electro technical and mechanical construction, food and chemical industry.

Base materials

EN AW-1200 [Al99,0]	Al99,0	3.0205
EN AW-1050A [Al99,5]	Al99,5	3.0255
EN AW-1070A [Al99,7]	Al99,7	3.0275
EN AW-1350A [EAl99,5]	E-Al	3.0257

and similar.

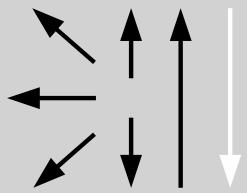
Typical analysis of TIG-rod (wt.-%)

Al	Si	Fe	Cu	Mn	Mg	Zn	Ti
≥ 99.7	< 0.20	< 0.25	< 0.04	< 0.03	< 0.03	< 0.04	< 0.03

Mechanical properties of all-weld metal

Yield strength $R_{p0.2}$	Tensile strength R_m	Elongation A (L_0=5d_0)
MPa	MPa	%
20	65	35

Operating data



Polarity:	Shielding gases:	ø mm
AC	(EN ISO 14175)	1.6
	I1, I3	2.0
		2.4
		3.2
		4.0

Approvals

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