

## Classifications

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

## Characteristics and typical fields of application

Aluminium solid wire 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.

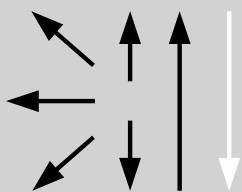
## Typical analysis of solid wire (wt.-%)

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 <sub>p0.2</sub>	Tensile strength R <sub>m</sub>	Elongation A (L <sub>0</sub> =5d <sub>0</sub> )
MPa	MPa	%
20	65	35

## Operating data



**Polarity:**  
DC (+)

**Shielding gases:**  
(EN ISO 14175)  
I1, I3

**ø mm**  
1.0  
1.2  
1.6

## Approvals

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