



CLASSIFICATIONS

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

KEY FEATURES AND APPLICATIONS

- Solid aluminium wire with a minimum Al content of 99.70%.
- Offers excellent fluidity and enhanced corrosion resistance.
- Suitable for pure aluminium and mostly pure aluminium (max. 0.5% of alloying elements).
- For heavy parts and thicker plates, preheating to 150°C is recommended.
- Widely used in various industries, including food processing, electrical engineering, chemical manufacturing and metallisation applications.

BASE MATERIALS

Al 99.0, Al 99.5, Al 99.7, Al 99.8

CHEMICAL COMPOSITION OF WIRE %

	Si	Fe	Cu	Mn	Mg	Zn	V	Ti	Al	Be
MIN	-	-	-	-	-	-	-	-	99.70	-
MAX	0.20	0.25	0.04	0.03	0.03	0.04	0.05	0.03	-	0.0003

Single values are maximum values according to EN ISO 18273

MECHANICAL PROPERTIES OF ALL-WELD METAL - TYPICAL

Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (%)
≥20	≥65	≥35

Test data for mechanical properties are not guaranteed since actual as welded conditions depend on numerous variables

OPERATING DATA

Shielding Gases	Polarity
EN ISO 14175 - I1	DC+

PACKAGING AND AVAILABLE SIZES

Part Number	Diameter (mm)	Spool	Weight (kg)	Pallet Qty
XP25200	1.0	BS300	7	72
XP25203	1.2	BS300	7	72
XP25206	1.6	BS300	7	72