

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 VALUES

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	AC

PACKAGING AND AVAILABLE SIZES

Part Number	Diameter (mm)	Length (mm)	Weight (kg)	Packaging
XP25300	1.6	1000	2.5	PAP 20 Tube
XP25302	2.4	1000	2.5	PAP 20 Tube
XP25304	3.2	1000	2.5	PAP 20 Tube