

TAL 1100

TIG Welding Wire - Aluminium Alloys

Standards	
AWS/ASME SFA - 5.10	~ER1100
AWS/ASME SFA - 5.10	ER1070
EN ISO 18273	S Al 1070 (Al99.7)
TS 6204 EN ISO 18273	S Al 1070 (Al99.7)
DIN M. No.	3.0259

Materials	
DIN	Material
Al 99.0	3.0205
Al 99.5	3.0255
Al 99.7	3.0275
Al 99.8	3.0285

Properties and Applications

Pure aluminium GTA(TIG) welding of unalloyed aluminium base metals. It has got good colour matching with the aluminium base metals. High corrosion resistance and excellent electrical conductivity.



Typical Chemical Features of the Welding Wire

Type of Analysis	Al
Welding Wire	99.7

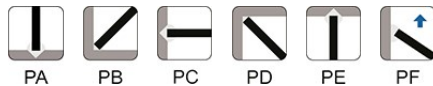
Typical Mechanical Values of Weld Metal

Test Condition	Protection Gas	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation A5 (%)
As welded	I1	50	70	35

* Chemical composition and mechanical properties are valid when using shielding gas EN ISO 14175 - I1 (%100 Ar) .

Application Information

Welding Positions



Polarity:



Protection Gas:

I1

Welding Parameters & Efficiency

Diameter x Length (mm)
1.60x1000
2.00x1000
2.40x1000

Packaging Information

Product Code	Diameter x Length (mm)	Quantity per Box	Box Gross Weight (kg)	Boxes per Outer Box	Outer Box Gross Weight (kg)	Packaging Type
24100GAKM2	1.60x1000	3 kg	2.80	4	11.30	Cardboard Tube
24100HAKM2	2.00x1000	3 kg	2.80	4	11.30	Cardboard Tube
24100IAKM2	2.40x1000	3 kg	2.80	4	11.30	Cardboard Tube

Storage & Re-Drying Information

Shouldn't be exposed to high statical load and impact.
It should be stored in a dry room (relative humidity < 50%, room temperature > 20°C) on wooden pallets.