

TAL 4043

TIG Welding Wire - Aluminium Alloys

Standards	
AWS/ASME SFA - 5.10	ER4043
EN ISO 18273	S Al 4043 (AlSi5)
TS 6204 EN ISO 18273	S Al 4043 (AlSi5)
DIN M. No.	3.2245

Materials	
DIN	Material
G-AlSi 5 Mg	3.2341
AlMgSi 0.5	3.3206
AlMgSi 0.7	3.3210
AlMgSi 1	3.2315

Properties and Applications

5% Silicon containing aluminium welding rod for GTA (TIG) welding of aluminium and aluminium alloys. Suitable for welding aluminium castings containing up to 7% silicon and Al-Mg-Si alloys which are containing up to 2 % Magnesium as alloying elements.



Typical Chemical Features of the Welding Wire

Type of Analysis	Si	Mn	Al
Welding Wire	5.00	0.05	94.95

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	80	150	12

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

Application Information

Welding Positions

PA

PB

PC

PD

PE

PF

Polarity:

Protection Gas:
I1

Welding Parameters & Efficiency

Diameter x Length (mm)
1.60x1000
2.00x1000
2.40x1000
3.20x1000
4.00x1000

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
24101GAKM2	1.60x1000	3 kg	2.80	4	11.30	Cardboard Tube
24101HAKM2	2.00x1000	3 kg	2.80	4	11.30	Cardboard Tube
24101IAKM2	2.40x1000	3 kg	2.80	4	11.30	Cardboard Tube
24101LAKM2	3.20x1000	3 kg	2.80	4	11.30	Cardboard Tube
24101MAKM2	4.00x1000	3 kg	2.80	4	11.30	Cardboard Tube

Storage & Re-Drying Information

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