

TAL 5356

TIG Welding Wire - Aluminium Alloys

Standards	
AWS/ASME SFA - 5.10	ER5356
EN ISO 18273	S Al 5356 (AlMg5Cr(A))
TS 6204 EN ISO 18273	S Al 5356 (AlMg5Cr(A))
DIN M. No.	3.3556

Properties and Applications

5% Mg (Magnesium) containing aluminium welding rod for GTA (TIG) welding of Al-Mg (Aluminium- Magnesium) alloys and Al-Mg-Si (Aluminium-Magnesium-Silicon) alloys. Gives colour match with base metal after anodizing process. Has excellent ductility and very good corrosion resistance especially in sea water.

Materials	
DIN	Material
AlMg Si 1	3.2315
G-AlMg 5	3.3561
G-AlMg 5 Si	3.3261
AlZn 4.5 Mg 1	3.4335
G-AlMg 3 Si	3.3241
AlMg 2 Mn 0.8	3.3527
Al Mg 3	3.3535
G-AlMg 3	3.3541
AlMg 5	3.3555

Typical Chemical Features of the Welding Wire

Type of Analysis	Cr	Al	Mg
Welding Wire	0.10	95.15	4.75

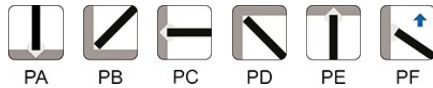
Typical Mechanical Values of Weld Metal

Test Condition	Protection Gas	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation A5 (%)
As welded	I1	120	270	28

* 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
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
24104GAKM2	1.60x1000	3 kg	2.80	4	11.30	Cardboard Tube
24104GFKM2	1.60x1000	2 kg	2.80	4	8.30	Plastic Box
24104HAKM2	2.00x1000	3 kg	2.80	4	11.30	Cardboard Tube
24104HFKM2	2.00x1000	2 kg	2.80	4	8.30	Plastic Box
24104IAKM2	2.40x1000	3 kg	2.80	4	11.30	Cardboard Tube
24104IFKM2	2.40x1000	2 kg	2.80	4	8.30	Plastic Box
24104LAKM2	3.20x1000	3 kg	2.80	4	11.30	Cardboard Tube
24104LFKM2	3.20x1000	2 kg	2.80	4	8.30	Plastic Box
24104MAKM2	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.