

TIG filler metal designed for welding aluminum-magnesium alloys. Its excellent mechanical properties give it high tensile strength (250 MPa). It is recommended for marine construction due to its extreme resistance to saline environments.

■ Classification

AWS 5.10: ER5356
EN ISO 18273: S Al 5356

■ Applications

- Marine construction
- Railway construction,
- Dumpster,
- Aeronautics, aerospace,
- Trailer.

■ The products

- Extremely resistant to corrosion and seawater.
- Good mechanical resistance.

■ Chemical properties

Al %	Mg%	Mn %	Cr%	Ti%	If %	Cu%	Fe %	Zn %
Base	4.80	0.15	0.10	0.13	0.05	0.002	0.13	0.01

■ Mechanical properties

Rp 0.2	Rm	A 5 d
120 MPa	280 MPa	30%

■ Recommendations

Ø baguette (mm)	1.6	2	2.4
thickness (mm)	1.0 ▶ 1.5	1.5 ▶ 2.0	2.0 ▶ 2.5
welding current (A)	55 ▶ 60	70 ▶ 80	110 ▶ 120

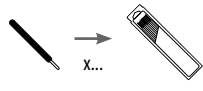
Gas protection according to EN ISO 14175 standard

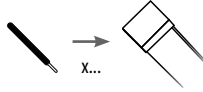
100% Argon (I1): 5-10 l/min

Argon / Helium mixture (I3): 5-10 l/min



Packaging

Ref.	Ø (mm)	length (mm)	 x...
087286	Ø 2.0	330	40

Ref.	Ø (mm)	length (mm)	 x...
087170	Ø 1.6	1000	319
087187	Ø 2.0	1000	204
087194	Ø 2.4	1000	142