

Aluminium alloy wire at 5% Mg for MIG welding of AlMg alloys (Mg up to 5%), resistant to marine corrosion. The metal brought is more resistant to hot cracks than Aluminium-Magnesium alloys with an lower Mg concentration. It can be used to weld on materials suitable for anodising, the metal will retain a colour similar to the work piece.

## Classification

AWS 5.10 : ER 5356  
EN ISO 18273 : S Al 5356 (AlMg5Cr)

## Applications

- Shipbuilding,
- Transport sector, railway, skips
- Weaponry & armament,
- Markings & signals,
- Automotive.

## Benefits

- Excellent resistance to corrosion (saline environment).
- Very good mechanical properties.

## Polarity

DC +

## Chemical properties

Si %	Fe %	Cu %	Mn %	Mg %	Cr %	Zn %	Be %	Ti %
< 0.25	0.40	< 0.10	0.05 - 0.20	4.50 - 5.50	0.05 - 0.20	< 0.10	< 0.0003	0.06 - 0.20

## Mechanical properties

Rp0,2	Rm	A 5 d
110 Mpa	240 Mpa	17 %

## Recommendations

Gas protection complies with EN ISO 14175  
100% Argon (1) or 100% Helium (2) or  
Argon / Helium mix (3) : 14 to 24 l/min

## Approval

DNV, ABS, DB, Vd TÜV, Bureau Veritas, Germanisher Lloyd



RANGE  
**EXCELLIUM**

## Packaging

weight (kg)	Wire reel type		Wire diameter (mm)			
			Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2
7	S200	—	—	—	086487	086494