

CLASSIFICATIONS

EN ISO 18273 : S AI 5356 (AlMg5Cr(A))

DIN 1732 : SG-AlMg5

AWS A5.10 : ER 5356

DESCRIPTION

- WI AI 5356 TIG is magnesium alloyed aluminum TIG rod
- It is used for joining of aluminum alloys required high mechanical properties
- The weld deposit has a good resistance to atmospheric influences and sea water
- And the weld metal is proper for surface treatment such as anodizing and polishing
- It is recommended that preheating to 150°C before welding of plates thicker than 15mm
- For gas welding, WI F-AI is recommended
- Shielding gas: Ar

CHEMICAL ANALYSIS OF WELD METAL % (TYPICAL)

Al: rest | Mg: 5.0 | Si: 0.5 | Mn: 0.5

MECHANICAL PROPERTIES

Density (kg/dm ³)	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (L ₀ =5d ₀) (%)	Melting Range (°C)	Hardness (HB)
2.6	120	250	25	560 - 630	70

WELDING METHOD

TIG Welding - Gas Welding

Current Type	Electrode
TIG A.C.	WI AI 5356

WELDING POSITIONS



OPERATING DATA

Product Code	Diameter x Length (mm) / (inch)		Package Weight (Kg)
1011100109	1,60 x 1000	1/16 x 39"	5
1011100110	2,00 x 1000	5/64 x 39"	5
1011100111	2,40 x 1000	3/32 x 39"	5