

5356 AL Mg 5 Solid Mig Aluminium Wire

Description

FIDAT 5356 Al Mg 5 alloy welding wire has good corrosion-resistance and is frequently used for marine applications to weld 5xxx and 6xxx series base Al Mg 5 is also used for other special welding processes of Aluminium/Magnesium, Aluminium/Magnesium/-Silicon & Aluminium/Zinc/Magnesium alloys. FIDAT 5356 - 5% Magnesium wire suitable for a wide range of gas metal arc welding applications on wrought or cast aluminium alloys containing magnesium as a major alloying element. FIDAT wires are double shaved and precision layer wound for superb feeding. This wire Has a good match when anodized.

SHIELDING GAS:

EN ISO 439 - 100% Argon or Argon/Helium Mixtures

CONFORMANCES:

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

AS/NZS ISO: 18273

AWS A5.10 ER5356

TYPICAL APPLICATIONS

- Ships, boats and marine applications
- Bike & motorbike frames
- Auto body components
- Fuel tanks
- Loading ramps and gangways

CHEMICAL COMPOSITION ACCORDING TO EN ISO 18273 [%]:

	Si	Fe	Cu	Mn	Mg	Cr	Zn	V	Ga	Ti	Zr	Al	Be	other each	other total
min.	-	-	-	0.05	4.50	0.05	-	-	-	0.06	-	rem.	-	-	-
max.	0.25	0.40	0.10	0.20	5.50	0.20	0.10	-	-	0.20	-	-	0.0003	0.05	0.15

MECHANICAL PROPERTIES (as welded)

minR _m [N/mm ²]	Rp 0,2 [N/mm ²]	A [%]	Solidus [°C]	Liquidus [°C]
250	115	17	571	635

APPROVALS

- RINA
- Lloyd's Register Fidat AlMg5 W(5356)/Ar
- Bureau Veritas
- American Bureau Shipping
- VdTÜV
- DB