

M-5356

For aluminium

Classifications

AWS A5.10:ER5356

Description

- M-5356 is a 5% magnesium all position non-heat treatable wire used to weld the 5XXX series alloys with some common welding applications such as boats, ships, bicycles, trucks, pressure vessels, automotive parts and equipment.

Typical chemical composition of all-weld metal (%)

Aluminium	Remainder	Silicon	0.25 Max
Manganese	0.05-0.20	Magnesium	4.5-5.5
Iron	0.4 Max	Chromium	0.05-0.20
Copper	0.10 Max	Titanium	0.06-0.20
Beryllium	0.0003 Max	Zinc	0.10 Max



Typical mechanical properties of all-weld metal

Melting range	571-635 °C
Density	2657 kg/m ³
Post Anodize Color	White

Sizes available and recommended currents (AC or DC +)

Diameter (mm)	WFS (mm/s)	Amps	Volts	Argon (l/min)
1.2	139-211	125-260	20-29	16-21
1.6	105-190	170-300	24-30	21-35

Approvals

ABS
ER5356