

SMT-5356

Classification

AWS	A5.10/ ASME SFA-5.10 ER5356
JIS	Z 3232 A5356-WY
EN	ISO 18273 S Al 5356 (AlMg5Cr(A))

Features

- ER5356 is about 5% Magnesium Aluminum filler metal which has high strength, high corrosion resistance, and matches the color well with the parent metal after anodizing
- Shipbuilding, automobile, railway
- Excellent feedability by controlling impurities

Application Areas

- Used for welding casting Al-Mg alloys with maximum 5% Magnesium and parts of wrought alloy of 5000 series, 6000 and 7000 series.

Approvals

CE	DB
✓	✓

Typical Chemical Composition of the Wire (wt%)

Si	Mn	Cu	Cr	Ti	Al	Mg	Zn	W
0.07	0.11	0.005	0.11	0.08	Rem	0.14	4.7	0.01

Typical Mechanical Properties of All-Weld Metal

Tensile Strength MPa(ksi)	Elongation (%)
275 (39)	17

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux

Wire Diameter & Packaging

Wire Diameter mm(in)	Packaging
1.6 (1/16)	5kg(11lbs)*1000
2.0 (5/64)	
2.4 (3/32)	
2.6 (0.10)	
3.2 (1/8)	

SMW

GMW

GTW

FCW

Metal-cored Wire

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