

6011100473 2.5kg 1.6mm Aluminium Feed Rod



Part No: 6011100473

Price: £34.95 (exc VAT) | £41.94 (inc VAT)

Specifications

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Features and Applications

Aluminium wire for welding aluminium alloys with a maximum 5% Magnesium.

Excellent weldability and good mechanical strength, combined with good corrosion resistance in seawater conditions.

AlMg5 is one of the most popular types of aluminium alloys.

ER 5356 can also be used for welding components that need to be anodized.

Thicker sections should be preheated to (150°C) prior to welding.

Typically used on applications in the construction of boats, bicycles, trucks, pressure vessels, storage tanks,

railways and automotive industries etc.

Test Certificates can be found online @wilkinsonstar247.com

Typical Base Materials

AlMg3, AlMg4, AlMg5, AlMgSi0.5, AlMgSi1; AlMgMn, AlZnMg1, G-AlMg3Si, G-AlMg5Si, G-AlMg10, AlMg1SiCu, AlMgSi0,7, AlZn4,5Mg1,

AlSi1MgMn, AlSiMg(A), 3.3545, 3.3206, 3.3210, 3.2315, 3.3211, 3.4335, EN AW 5086, EN AW 6060, EN AW 6005A, EN AW , EN AW 6061,

EN AW 7020, EN AC 51400, EN AC 51300, EN AC 51100, EN AW 5454*

* Illustrative, not exhaustive list

Standards

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

AWS A5.10 - ER 5356

Chemical Composition % (Typical)

Si% Fe% Cu% Mn% Mg%

0.0401 0.1561 0.0014 0.1140 4.8277

Cr% Zn% Ti% Be% Al%

0.1383 0.0048 0.0939 <0.0001 Rem.

Mechanical Properties

Tensile Strength ≥ 235 MPa

Yield Strength ≥ 110 MPa

Elongation ≥ 17 %

Impact Strength ≥ 16 J

Mechanical properties are approximate and may vary based on the heat, shielding gas, welding parameters and other factors.

Shielding Gases

EN ISO 14175 - TIG: I1, I3

Welding Positions

EN ISO 6947 - PA, PB, PC, PD, PE, PF, PG