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# 6011100352 ER316L Stainless TIG Wire 2.4mm 5kg

**Part No:** 6011100352

**Price:** £64.95 (exc VAT) | £77.94 (inc VAT)

## Specifications

6011100352 ER316L Stainless TIG Wire 2.4mm 5kg

Features and Applications

Austenitic stainless steel wire that has a low carbon content.

This reduces the possibilities of intergranular carbide precipitation.

This increases the resistance to intergranular corrosion without the use of stabilisers such as niobium or titanium.

The presence of molybdenum provides creep resistance in a halide atmosphere.

Ideal for joining and surfacing of stainless steels of similar composition (CrNi and CrNiMo steels/cast steels).

Including low-carbon molybdenum-bearing austenitic alloys.

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Typically used in the food processing, dairy and chemical industries etc

Typical Base Materials

All 300 series austenitic stainless steel, mainly low-carbon molybdenum-bearing*

* Illustrative, not exhaustive list

Standards

EN ISO 14343-A - W 19 12 3 L

AWS A5.9 - ER 316L

Chemical Composition % (Typical)

C% Mn% Si% S% P%

0.021 1.80 0.43 0.005 0.027

Ni% Cr% Mo% Cu%
11.19 18.70 2.62 0.30

Mechanical Properties

Tensile Strength ≥510 MPa

Yield Strength ≥320 MPa

Elongation ≥25 %

Impact Strength ≥80 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 (Argon)

Welding Positions

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