



## Nexus 5CrMo

### 5CrMo Low Alloy wire for TIG welding creep resisting steels

Low alloy copper coated solid TIG wires for joining creep resisting materials of similar compositions with service temperature up to 600°C.

#### International Standards

<b>BS EN 12070:1999</b>	<b>AWS A5.28- 05</b>
<b>W CrMo5Si</b>	<b>ER80S-B6</b>

#### Typical Wire Analysis (wt%)

<b>C</b>	<b>Si</b>	<b>Mn</b>	<b>S</b>	<b>P</b>	<b>Cr</b>	<b>Mo</b>
<b>0.08</b>	<b>0.35</b>	<b>0.55</b>	<b>0.011</b>	<b>0.012</b>	<b>5.7</b>	<b>0.55</b>

#### Typical All-Weld Metal Mechanical Properties

<b>Yield Strength N/mm<sup>2</sup></b>	<b>Tensile Strength N/mm<sup>2</sup></b>	<b>Elongation %</b>	<b>Impact Strength 20°C</b>
<b>≥450</b>	<b>≥590</b>	<b>≥18</b>	<b>≥100J</b>

#### Welding Positions

<b>All Positions including vertical down</b>
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#### Materials

<b>X12CrMo5</b>
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#### Packaging

<b>Size mm</b>	<b>1.6</b>	<b>2.4</b>	<b>3.2</b>
<b>Plastic 5 kilo Tube</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>

#### Additional Information

<b>Certification</b>	<b>BS EN 10204:2004 Type 3.1</b>
<b>Material safety data sheet</b>	<b>MSDS 11</b>
<b>BOC Shielding Gas</b>	<b>Pureshield Argon</b>