



Nexus 5183

Magnesium Aluminium Alloy wire for MIG welding applications

Aluminium Alloy MIG wire for welding marine grade wrought and cast Aluminium of a similar composition.

International Standards

EN ISO 18273:2004	AWS A5.10-99
S Al 5183 (AlMg4.5Mn0.7(A))	ER 5183

Typical All-Weld Metal Analysis (wt%)

Al	Si	Mg	Mn	Fe
Bal	0.08	4.9	0.7	0.2

Typical All-Weld Metal Mechanical Properties

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %
293	144	24

Welding Positions

All Positions

Materials

All wrought and cast Aluminium Alloys of similar composition (5083) and (7020). Chemical plant, process piping, marine structures, storage tanks and cryogenic plant.
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Packaging

Size mm	1.0	1.2
Plastic spools 7.0 Kg	✓	✓

Additional Information

Certification	BS EN 10204:2004 Type 3.1
Material safety data sheet	MSDS 03
BOC Shielding Gas MIG	<2mm Alushield Light (3-6mm) Alushield Universal (5-12mm) Alushield Heavy (>10mm)