



Nexus 4043

5Si Aluminium wire for MIG and TIG welding applications

Aluminium 4043 solid wire for welding wrought and cast Aluminium alloys of a similar composition.

International Standards

EN ISO 18273:2004	AWS A5.10-99
S Al 4043 (AISI5)	ER 4043

Typical All-Weld Metal Analysis (wt%)

Al	Si	Mg	Mn	Cu	Zn	Fe
Bal	5.0	0.05	0.05	0.3	0.10	0.6

Typical Wire Mechanical Properties

Yield Strength N/mm²	Tensile Strength N/mm²	Elongation %
100	160	15

Welding Positions

All Positions

Materials

All silicon bearing wrought and cast Aluminium alloys 6063, 6082, 6061, 3103, LM2, LM4, LM6, LM9, LM20, LM25, LM27

Packaging

Size mm (MIG)	0.8	1.0	1.2	1.6
Plastic spools 0.5 Kg	✓	✓	✓	-
Plastic spools 7.0 Kg	✓	✓	✓	✓

Size mm (TIG)	1.6	2.4	3.2
Plastic Tube 2.5 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)
BOC Shielding Gas TIG	Pureshield Argon