



Nexus Mo

½ Mo wires for MIG and TIG welding creep resisting steels

Low alloy, copper coated solid wire for joining creep resisting steels of a similar composition at elevated temperatures up to 500°C.

International Standards

	BS EN 12070:1999	AWS A5.28- 05
TIG	W Mo Si	ER 70S-A1
MIG	G Mo Si	ER 70S-A1

Typical Wire Analysis (wt%)

C	Si	Mn	S	P	Mo
0.10	0.60	1.15	0.011	0.012	0.52

Typical All-Weld Metal Mechanical Properties

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %	Impact Strength -20°C
≥460	≥560	≥22	≥47J

Welding Positions

All Positions including vertical down

Materials

P235G1TH-P255G1TH, P310GH, 16Mo3, L320, L360NB-L415NB and ASTM 204 plate
A355-P1 Pipe

Packaging

Size mm	1.6	2.4	3.2
Plastic 5 kilo Tube	✓	✓	✓

Size mm	0.8	1.0	1.2
Metal spools 15 kilo	✓	✓	✓

Additional Information

Certification	BS EN 10204:2004 Type 3.1
Material safety data sheet	MSDS 11
BOC Shielding Gas MIG	Argoshield Light (<4mm) Universal (2-10mm) Heavy (>9mm)
BOC Shielding Gas TIG	Pureshield Argon