



WB4043AM M.I.G. WELDING WIRE

Classifications

BS 2901 Part 4-90 : 4043A

AWS A5.10-92 : ER4043

Product Description

Aluminium solid MIG wire containing 5% Silicon.

Applications

WB4043AM is a Aluminium / 5% Silicon MIG wire for welding Al / Si and Al / Mg /Si material.

The medium strength weld metal has excellent resistance to hot cracking. WB4043AM is not suitable where good colour match is required after anodising.

Meting range 570-630°C.

Wire Composition(Weight %)

	Si	Fe	Cu	Mn	Mg	Zn	Ti	Al
min.	4.5	-	-	-	-	-	-	bal.
max.	6.0	0.6	0.30	0.15	0.20	0.10	0.15	-

Typical All-Weld Metal Mechanical Properties

Ultimate Tensile Strength	N/mm ²	120 min.
Yield Stress/0.2% Proof Stress	N/mm ²	40 min.
Elongation on 5D	%	10 min.
Impact Energy CV @ as-welded	Joules	-

Wire Dia (mm)

	0.6mm	0.8mm	1.0mm	1.2mm	1.6mm	2.4mm	3.2mm
min.	-	70	100	140	180	-	-
Current Range (Amps) max.	-	110	150	210	270	-	-
min.	-	18	18	19	20	-	-
Volt Range (Volts) max.	-	22	22	25	25	-	-

Packaging Information**Kg Per Reel**

-	0.5/ 6.0	0.5/ 6.0	0.5/ 6.0	6.5/ 8.0	-	-
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Storage**Storage**

It is recommended that the WB range of wires are stored in a dry heated store at a minimum temperature of 18°C, and a maximum relative humidity of 60%.

Gases**Gas**

Pure Argon, Helium Argon or Argon Helium Mixture

Flow Rate

17-19 l/min

Current Conditions DC+ and Welding Positions