



WB5356M M.I.G. WELDING WIRE

Classifications

BS 2901 Part 4-90 : 5356

AWS A5.10-92 : ER5356

Product Description

Aluminium solid MIG wire containing 5% Magnesium.

Applications

WB5356M is a Aluminium / 5% Magnesium MIG wire for welding Al / Mg and Al / Mg / Si material.

The high strength weld metal has excellent corrosion resistance in marine environments. WB5356M has excellent colour match with material to be anodised. WB5356M is the most versatile and common grade of Aluminium MIG filler material. Mating range 560-630°C.

Wire Composition(Weight %)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
min.	-	-	-	0.05	4.5	0.05	-	0.06	bal.
max.	0.25	0.40	0.10	0.20	5.5	0.20	0.10	0.20	-

Typical All-Weld Metal Mechanical Properties

Ultimate Tensile Strength	N/mm ²	280 min.
Yield Stress/0.2% Proof Stress	N/mm ²	130 min.
Elongation on 5D	%	25 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/ 6.5	0.5/ 6.5	0.5/ 6.5	6.0	-	-
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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

