



WB6047P M.I.G. WELDING WIRE

Classifications AWS A5.28 : ER100S-G

Product Description Copper coated Chromium-Nickel-Molybdenum solid MIG wire.

Applications

WB6047P is a solid MIG wire for the welding of medium/high strength steels.

Widely used for the welding of steels with a tensile strength of 600/700 N/mm², such as RQT600, HY80 and NAXTRA 70.

The balanced Manganese and Silicon ensures optimum deoxidisation and weld fluidity.

Wire Composition(Weight %)

	C	Mn	Si	S	P	Ni	Cr	Mo	Al	Ti
min.	0.06	1.40	0.30	-	-	0.70	-	0.25	-	-
max.	0.12	1.80	0.70	0.015	0.020	1.00	0.10	0.45	0.05	0.15

Typical All-Weld Metal Mechanical Properties

Ultimate Tensile Strength	N/mm ²	750 min.
Yield Stress/0.2% Proof Stress	N/mm ²	690 min.
Elongation on 5D	%	16 min.
Impact Energy CV @ -40°C as-welded	Joules	47 min.

Wire Dia (mm)		0.6mm	0.8mm	1.0mm	1.2mm	1.6mm	2.4mm	3.2mm
min.		-	80	120	160	180	-	-
Current Range (Amps)	max.	-	180	240	260	300	-	-
	min.	-	17	17	18	20	-	-
Volt Range (Volts)	max.	-	20	22	26	29	-	-

Packaging Information

Kg Per Reel	-	15	15	15	15	-	-
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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

CO₂ and Argon/CO₂ mixture

Flow Rate

12-16 l/min

Current Conditions DC+ and Welding Positions

