



WB4043AT T.I.G. WELDING WIRE

Classifications	BS 2901 Part 4-90 : 4043A AWS A5.10-92 : ER4043									
Product Description	Aluminium solid TIG wire containing 5% Silicon.									
Applications	<p>WB4043AT is a Aluminium / 5% Silicon TIG wire for welding Al / Si and Al / Mg /Si material.</p> <p>The medium strength weld metal has excellent resistance to hot cracking. WB4043AT is not suitable where good colour match is required after anodising.</p> <p>Meting range 570-630°C.</p>									
Wire Composition(Weight %)		Si	Fe	Cu	Mn	Mg	Zn	Ti	Al bal.	
min.		4.5	-	-	-	-	-	-	-	
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
Current Range (Amps)	min.	-	-	-	-	60	60	60
	max.	-	-	-	-	100	100	100
Volt Range (Volts)	min.	-	-	-	-	-	-	-
	max.	-	-	-	-	-	-	-
Packaging Information								
Kg Per Tube		-	-	-	-	2.5	2.5	2.5
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 or Argon / Helium Mixture Flow Rate Pure Argon or Argon / Helium Mixture 5-10 l/min Helium 7-13 l/min							

Current Conditions AC and Welding Positions

