



WB5556AT T.I.G. WELDING WIRE

Classifications	BS 2901 Part 4-90 : 5556A AWS A5.10-92 : ER5556									
Product Description	Aluminium base, solid TIG wire.									
Applications	WB5556AT is a Aluminium, 5.3% Magnesium, 0.8% Manganese TIG wire to produce a higher strength weld metal than the standard 5% Magnesium alloy (WB5356T). WB5556AT has been designed to weld the widely used structural alloy 5083 when full matching strength is a prime requirement.									
Wire Composition(Weight %)	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	
min.	-	-	-	0.6	5.0	0.05	-	0.05	bal.	
max.	0.25	0.40	0.10	1.0	5.5	0.20	0.20	0.20	-	
Typical All-Weld Metal Mechanical Properties	Ultimate Tensile Strength				N/mm ²		290 min.			
	Yield Stress/0.2% Proof Stress				N/mm ²		140 min.			
	Elongation on 5D				%		20 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

