



WB90/10CuNi T.I.G. WELDING WIRE

Classifications	BS 2901 Part 3 C16									
Product Description	Copper-Nickel, solid TIG wire.									
Applications	<p>WB90/10CuNi is suitable for the repair and welding of CN101, 102, CA 706UNS C70600, CA962UNS C96400 and similar cupronickel alloys.</p> <p>Used extensively for offshore pipe and cladding systems, desalination plants and similar applications / environments.</p>									
Wire Composition(Weight %)	Cu	Ni	Mn	Ti	Al	Fe	Si	Pb	P	S
min.	bal.	10.0	0.5	0.20	-	1.0	-	-	-	-
max.	-	11.0	1.0	0.50	0.03	2.0	0.1	0.001	0.01	0.01
Typical All-Weld Metal Mechanical Properties	Ultimate Tensile Strength					N/mm ²		-		
	Yield Stress/0.2% Proof Stress					N/mm ²		-		
	Elongation on 5D					%		-		
	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.	-	-	-	-	80	80	80
	max.	-	-	-	-	120	120	120
Volt Range (Volts)	min.	-	-	-	-	-	-	-
	max.	-	-	-	-	-	-	-
Packaging Information								
Kg Per Tube		-	-	-	-	5	5	5
Storage	<p>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%.</p>							
Gases	<p>Gas Pure Argon or Argon + 1-5%H₂</p> <p>Flow Rate 7-10 l/min</p>							

Current Conditions DC- and Welding Positions

