

Prospot are able to supply a wide range of welding materials suitable for all types of resistance welding applications.

Material Type	Group Type	Nominal Composition %	Softening Temperature degrees C	Electrical Conductivity % IACS.	Hardness Min VPN	Typical application areas.
Hard Drawn Copper	A1	99.9Cu	150	98	85	Welding fixtures, machine arms
Zirconium Copper	A2/4	0.1 Zr Cu	500	92	120	Aluminium alloys, Uncoated and coated steels
Chromium Zirconium Copper	A2/2	1Cr 0.1Zr Cu	525	72	120	Uncoated and coated steels
Al/O Copper (Nitrode)	B20	1.1 CuAl <sub>2</sub> O <sub>3</sub>	925	83	160	Coated steels, excellent non sticking characteristics
Cobalt Beryllium Copper	A3/1	2.5 Co 0.4Be Cu	500	32	200	Stainless steels, heat resisting materials
Nickel Silicon Copper	A3/2	2.0Ni 0.7Si Cu	500	32	200	Stainless steels, heat resisting materials
Copper Tungsten	B11	75W Cu	1000	30	220	Inserts for projection welding or for miniature welds in high conductivity materials
Molybdenum	B13	99.5 Mo	1000	30	225-260	
Tungsten	B14	99.5W	1000	30	450	

This information is for guidance only.  
Please speak to our technical staff for more assistance in selecting the correct materials.

