



Class 2 Chromium Zirconium Copper (18150)

RWMA Class 2 Copper
UNS C18150

Class 2 copper (18150) Copper Chromium Zirconium is used extensively for cap style resistance welding electrodes. Evidence suggests that it can provide less sticking and resist deformation longer than its copper-chrome counterpart in some specific situations.

CHEMICAL COMPOSITION

RWMA CLASS	RWMA NUMBER	DESCRIPTION	FE	W	CD	NI	CO	CR	SI	BE	PB	ZR	AL	CU
2	18150	CHROMIUM ZIRCONIUM COPPER						.5 – 1.5				.05-.025		REM

PHYSICAL PROPERTIES

HARDNESS ROCKWELL B	CONDUCTIVITY % I.A.C.S.	YIELD STRENGTH KSI (5% EXT UNDER LOAD)	ULTIMATE TENSILE STRENGTH	ELONGATION % IN 2" OR 4" DIAMETERS
70 – 83	80-85%	55	65	13%