



SHREE EXTRUSIONS LIMITED



C18150

COPPER CHROMIUM ZIRCONIUM

EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	CuCr1Zr
Eropean	CuCr1Zr
BS	CC 102

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.

TYPICAL USES for C18150 Copper Chromium Zirconium:

CONSUMER: Pencil-type & Light Soldering Guns: Tips, Rod Extensions **ELECTRICAL:** Resistance Welding Electrodes

INDUSTRIAL: Welding Electrodes, Welding Wheels, Tips and Rod Extensions

CHEMICAL COMPOSITION

	Cr	Cu	Zr
Min/Max	0.5 - 1.5	Rem	0.05 - 0.25
Nominals	1.0000	98.9000	0.1000

PHYSICAL PROPERTIES

Product Property	US Customary
Coefficient of Thermal Expansion	9.5 Å • 10-6 per oF (68-572 F)
Density	0.321 lb/in3 @ 68 F
Electrical Conductivity	80 %IACS @ 68 F
Melting Point Liquid US	1976 F
Melting Point Solid US	1958 F
Modulus of Elasticity in Tension	17000 ksi
Specific Gravity	8.89
Thermal Conductivity	187.0 Btu Å • ft/(hr Å • ft2 Å • Å °F) @ 68 F

SIZES AVAILABLE :

HOLLOW RODS
 ROUND RODS/BARS
 HEX
 SQUARE
 FLAT
 BILLETS
 INGOTS

Min Bore Size 20 mm and Max OD 100 mm
 8mm To 100 mm
 10mm To 60mm
 10mm To 60mm
 10mm Min Thickness and max Width 120mm
 Up to 200 mm
 As per Specification

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