



CW132

DEZINCIFICATION RESISTANT BRASS (DZR BRASS)

EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
UNS	C35330
BS	CZ 132
EN	CW602N

Alloy CW132 Brass is a copper-zinc-lead alloy with a small addition of arsenic, having a mainly alpha phase structure in the “as used” heat treated condition, with a fine dispersion of lead particles. It has excellent machinability, good cold forming properties, with a high resistance to dezincification.

TYPICAL APPLICATIONS:

Valves, stopcocks, taps and other plumbing fitting coming in contact with chlorinated water supplies.

CHEMICAL COMPOSITION

	Cu	Pb	Zn	As
Max/Min	61.0-63.0	1.7-2.8	Rem	0.02-0.15

PHYSICAL PROPERTIES

Melting Point – Liquidus °F	1660 F
Melting Point – Solidus °F	1645 F
Density lb./cu in. at 68°F	8.45 lb/in3 at 68 F
Specific Gravity	8.45
Electrical Conductivity*% IACS at 68°F	26
Thermal Conductivity Btu/ sq. ft./ ft.Hr/ °F at 68°F	67
Coefficient of Thermal Expansion 68-57210 ⁻⁶ per °F (68 – 572°F)	12.4
Specific Heat Capacity Btu/ lb. /°F at 68°F	8.470
Modulus of Elasticity in Tension (ksi)	15000

SIZES AVAILABLE:

ROUND RODS	1.2 mm to 250 mm
HEX	5 mm to 65 mm
SQUARE	4 mm to 60 mm
FLAT	4 mm Min Thickness and max Width 120 mm
BILLETS	Up to 200 mm
INGOTS	As per Specification

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