

Trade name | CZ

Material No.	EN Material No.	EN Designation	UNS
2.1580	CW120C	CuZr	C15000
RWMA			
Class 1			

Description | CuZr is a low-contained copper alloy and is thermally aged.

Special properties | Good mechanical properties and a high thermal and electrical conductivity. High strength.

Cu %	Zr %
Rest	0.10-0.20

Hardness HB 30 ≤ HB	0.2% Yield strength R _p ≥ N/mm ²	Tensile strength R _m N/mm ²	Elongation A ₅ ≥ %	Modulus of elasticity kN/mm ²
135	310	≥ 350	13	100

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical conductivity MS/m
8.9	375	310-330	≥ 50

Application | Electrical engineering, spot welding (automotive industry)

Available forms for 2.1580 / CuZr	Sheets/Plates	Bars	Wire	Tubes/Pipes	Forged / cast parts	Finished part (drawing)
						