

Trade name | CB2

Material No.	EN Material No.	EN Designation	UNS
2.1247	CW101C	CuBe2	C17200
RWMA			
Class 4			

Description | CuBe2 is a low-contained copper alloy and is thermally aged.

Special properties | Good mechanical properties and a excellent hardness.

Ni %	Cu %	Co %	Fe %	Be %
≤ 0.30	Rest	≤ 0.30	≤ 0.20	1.80-2.10

Hardness HB 30 ≤ HB	0.2% Yield strength R <sub>p</sub> ≥ N/mm <sup>2</sup>	Tensile strength R <sub>m</sub> N/mm <sup>2</sup>	Elongation A <sub>5</sub> ≥ %	Modulus of elasticity kN/mm <sup>2</sup>
420	1000	≥ 1150	3	135

Density g/cm <sup>3</sup>	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical conductivity MS/m
8.3	420	120-170	≥ 16

Application | Oil industry, seawater engineering, aluminum die-casting, mould construction

Available forms for 2.1247 / CuBe2	Sheets/Plates	Bars	Tubes/Pipes	Forged / cast parts	Finished part (drawing)
					