

ALBROMET-W 200	Data sheet high-conductivity copper
Material properties:	Heat-treated copper alloy with high value for strength and conductance. Beryllium free.
Application examples:	Electrodes for resistance welding, dies, die casting ram. In plastics mould making: mould inserts for thermal demands.
Machining tips:	Machine with HSS or carbide tools (P-quality). Pay attention for adequate cooling! The machining should happen in the delivery state (factory-provided cured). EDM can be advised. Please find our machining instructions on www.albromet.de
Typical analysis:	Ni 2,5 % Si 0,7 % Cr 0 - 0,5 % Cu Balance
Standards/Specifications:	CuNiCrSi EN CW 112 C / ~ CW 111 C DIN 2.0857 / ~ 2.0855
Delivery formats:	Forged parts, Extruded rods, Semi-finished products, Finished parts based on drawings
Mechanical and physical properties:	
Brinell hardness (HB 30) Tensile strength R_m Yield strength $R_p 0,2$ Elongation at break A5 Density Liquidus Softening point Elasticity modulus E Mean linear coefficient of thermal expansion Thermal conductivity at 20° C Electrical conductivity	180-220 >600 N/mm ² 500 N/mm ² >10 % 8,7 g/cm ³ 1150 °C ~480 °C 140 KN/mm ² 16,0 10-6/K ~200 W/m x k 22 m/Ohm x mm ²

These data are based on information provided by our supplier, all changes reserved. The mechanical strength values are typical standard values and depends on the measurement and the production method.

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