

ALBROMET 200		Data sheet aluminiumbronze	
Material properties:	Hard and tough aluminum bronze with high strength value and good wear resistance. Excellent sliding properties and corrosion resistance.		
Application examples:	Bushings, leads, pinions and worm wheels, spindle nuts, valve lips, sliders in rolling mills, bolts and nuts for corrosion application. Ideal wear partner for many steel grades. Mainly used for common engine construction, in rolling mill machines and for plastic mould making		
Machining tips:	ALBROMET 200 is good to machine. For extensive chipping we recommend carbide tools. Good to weld.		
Typical analysis:	Al 11,0 % Fe 4,0 % Others 0,5 % max. Cu Balance		
Standards/Specifications:	CuAl10Fe EN 1982 DIN 1714 ASTM B505 C95400		
Delivery formats:	Forged parts, Castings, Extruded and HCC rods, Semi-finished products, Finished parts based on drawings		
Mechanical and physical properties:	forged / extruded		continuous casting
Hardness Brinell (HB 30)	190 - 210		170 - 190
Tensile strength Rm	630 - 700 N/mm ²		> 586 N/mm ²
Yiel strength Rp 0,2	310 - 350 N/mm ²		221 N/mm ²
Elongation at break A5	10 - 15 %		12 - 15 %
Density	7,5 g/cm ³		
Compressive strength	950 Mpa		
Elasticity modulus E	117,7 KN/mm ²		
Mean linear coefficient of thermal expansion	16,0 10 ⁻⁶ /K		
Thermal conductivity at 20° C	60 W/m x k		
Electrical conductivity	7,54 m/Ohm x mm ²		
Temperature resistance	< 300° C up to clear change in strength value		
Magnetic Permeability	1,18 H = 100 Oe		

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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