

ALBROMET 260 Ni

Data sheet aluminiumbronze

Material properties:	Hard and tough construction and sliding material with high resistance to corrosion, cavitation and mechanical wear.		
Application examples:	Especially high loaded machine parts.		
Machining tips:	Chipping aboveboard possible with carbide tools. Because of the heat treatment (hardness reduction), welding is restricted possible.		
Typical analysis:	Al 11,5 % Fe 5,0 % Ni 6,0 % Mn 0,6 % Others 0,5 % max. Cu Balance		
Standards/Specifications:	CuAl11Fe6Ni6 EN CW 308 G DIN 17665/2.0978 AMS 4590		
Delivery formats:	Forged parts, Extruded rods, Semi-finished products, Finished parts based on drawings		
Mechanical and physical properties:	Forged		extruded
Hardness Brinell (HB 30)	220-260		220-260
Tensile strength Rm	800 N/mm ²		800 N/mm ²
Yield strength Rp 0,2	500 N/mm ²		600 N/mm ²
Elongation at break A5	> 4 %		> 8 %
Density	7,4 g/cm ³		
Compressive strength	1150 Mpa		
Elasticity modulus E	127,5 KN/mm ²		
Mean linear coefficient of thermal expansion	16,0 10 ⁻⁶ /K		
Thermal conductivity at 20° C	40 W/m x k		
Electrical conductivity	4,06 m/Ohm*mm ²		
Temperature resistance	< 300° C up to the clear change in strength value		
Magnetic Permeability	1,17 H = 100 Oe		

This data is based on information provided by our supplying plants. All changes reserved. The mechanical strength values are typical standard values and depend on the measurement and the production method.

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