

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