

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>	Highly loaded bearing- and machine parts		
<b>Machining tips:</b>	Machining 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 % Other 0,5 % max. 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>		<b>extruded</b>
Brinell hardness (HB 30)	220-260		220-260
Tensile strength Rm	800 N/mm <sup>2</sup>		800 N/mm <sup>2</sup>
Yield strength Rp 0,2	500 N/mm <sup>2</sup>		600 N/mm <sup>2</sup>
Elongation at break A5	> 4 %		> 8 %
Density	7,6 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 10 <sup>-6</sup> /K		
Thermal conductivity at 20° C	40 W/m x k		
Electrical conductivity	4,06 m/Ohm x mm <sup>2</sup>		
Temperature resistance	< 300° C up to clear change in strength value		
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.  
Version 05/2021*