

<b>ALBROMET 300</b>	<b>Data sheet aluminiumbronze</b>
<b>Material properties:</b>	High hardness and low elongation at break. Very high compressive strength and mechanical wear resistance. Unsuitable for impact loading.
<b>Application examples:</b>	Check rail for hardened steel, tools for sheet forming particularly of stainless steel qualities.
<b>Machining tips:</b>	Machine with carbide-equipped tools Recommendation: <i>Hoffmann GmbH, München</i> <i>Tel. 089-8391-0, Fax: 089-8391-89</i> <i>www.hoffmann-group.com</i> Welding is restricted possible.
<b>Typical analysis:</b>	Al 13,0 % Fe 4,0 % Others 2,0 % max. Cu Balance
<b>Standards/Specifications:</b>	Not standardized
<b>Delivery formats:</b>	Forged parts, Extruded rods, Semi-finished products, Finished parts based on drawings
<b>Mechanical and physical properties:</b>	
Brinell hardness (HB 30) Tensile strength Rm Yield strength Rp 0,2 Elongation at break A5 Density Compressive strength Elasticity modulus E Mean linear coefficient of thermal expansion Thermal conductivity at 20°C Electrical conductivity  Temperature resistance  Permeability	285 - 310 > 560 N/mm <sup>2</sup> > 470 N/mm <sup>2</sup> 1 % 7,2 g/cm <sup>3</sup> 1200 Mpa 110,0 KN/mm <sup>2</sup> 17,5 10 <sup>-6</sup> /K 42 W/m x k 4,64 m/Ohm x mm <sup>2</sup>  < 300°C up to the clear change in strength value  1,10 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.

Version 02/2012