

ALBROMET 340 HSC	Data sheet aluminiumbronze
<b>Material properties:</b>	Aluminiumbronze with high compressive strength and small elongation at break. Excellent wear resistance and small affinity for stainless steel pick-up. Unsuitable for impact loading. Due to the production process, a notably fine-grained, homogeneous structure is achieved.
<b>Application examples:</b>	Wear partner for hardened steel grades, forming tools for bending, embossing, profiling and thermoforming of stainless steel plates and tubes.
<b>Machining tips:</b>	Chip breaking intermixtures, which are superfine spread in the material, improve the machining with carbide tools clearly. That is what the acronym HSC (High Speed Cuttings) means. Recommendation: <i>Hoffmann GmbH, München</i> <i>Tel. 089-8391-0, Fax: 089-8391-89</i> <i>www.hoffmann-group.com</i>
<b>Typical analysis:</b>	Al 14,1 % Fe 4,5 % Mn 1,4 % Co 1,4 % Cu Balance
<b>Standards/Specifications:</b>	Not standardized
<b>Delivery formats:</b>	Semi-finished products (Round material), Finished parts according drawing
<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	330 - 360 > 650 N/mm <sup>2</sup> > 400 N/mm <sup>2</sup> 2 % 7,1 g/cm <sup>3</sup> 1200 Mpa 105,0 KN/mm <sup>2</sup> 17,5 10 <sup>-6</sup> /K 42 W/m x k 4,06 m/Ohm x mm <sup>2</sup> < 300° C up to the clear change in strength value

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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