ALBROMET 340

Data sheet aluminiumbronze

Material properties:	Very high compressive strength, good sliding properties, high hardness with small elongation, not impact-resistant
Application examples:	Wear partner for hardened steel grades, forming tools for bending, embossing, profiling and thermoforming of stainless steel plates and tubes.
Machining tips:	Machine only with carbide-equipped tools Recommendation*:* *Hoffmann GmbH, München* *Tel. 089-8391-0, Fax: 089-8391-89* *www.hoffmann-group.com* Wellding is restricted possible.
Typical analysis:	Al 14,0 % Fe 4,0 % Mn 1,0 % Co 1,0% Cu Balance
Standards/Specifications:	Not standardized
Delivery formats:	Forged parts, Castings, Extruded rods, Semi-finished products, Finished parts based on drawings

Mechanical and physical properties:

Brinell hardness (HB 30)	320 - 360
Tensile strength Rm	> 630 N/mm²
Yield strength Rp 0,2	> 500 N/mm²
Elongation at break A5	0,5 %
Density	7,1 g/cm³
Compressive strength	1300 Mpa
Elasticity modulus E	105,0 KN/mm²
Mean linear coefficient of thermal expansion	17,5 10^{-6}/K
Thermal conductivity at 20° C	40 W/m x k
Electrical conductivity	4,06 m/Ohm x mm²
Temperature resistance	< 300° C up to the clear change in strength value
Permeability	1,12 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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Zur
Übersicht