

ALBROMET 380 Data sheet aluminiumbronze Material properties: Highest possible hardness (brittle-hard), high wear resistance and compressive strength, distinguished sliding properties. 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 with carbide-equipped tools Recommendation:		
compressive strength, distinguished sliding properties. Wear partner for hardened steel grades, forming tools for bending, embossing, profiling and thermoforming of stainless steel plates and tubes. Machining tips: Machining tips: Machine with carbide-equipped tools Recommendation: Hoffmann GmbH, Munchen Tel. 088-2931-0, Fax: 088-8391-89 www.hoffmann-group.com Weliding is restricted possible. At 15,0 % Others 2-4% Cu Balance Standards/Specifications: Not standardized Mechanical and physical properties: Brineli hardness (HB 30) Tensile strength Rm Yield strength Rp 0.2 Elongation at break 45 Density Compressive strength Elasticity modulus E Compressive strength Elasticity modulus E Mean linear coefficient of thermal expansion Thermal conductivity at 20° C Electrical conductivity at 20° C Electrical conductivity Temperature resistance Wear partner for hardened steel grades, forming tools for bending, embossing, profiling and thermoforming of stainless steel plates and tubes. Machine with carbide-equipped tools Recommendation: Hoffman GmbH, Munchen Tel 088-8931-0, Fax: 088-83931-89 www.hoffmann-group.com Weliding is restricted possible. At 15,0 % Others 2-4% Cu Balance Standards/Specifications: Not standardized Not standardized At 15,0 % Others 2-4% Cu Balance Standards/Specifications: Forged parts, Castings, Extruded and HCC rods, Semi-finished products, Finished parts based on drawings ### 15,0 % Others 2-4% Cu Balance Standards/Specifications ### 15,0 % Others 2-4% Cu Balance	ALBROMET 380	Data sheet aluminiumbronze
embossing, profiling and thermoforming of stainless steel plates and tubes. Machining tips: Machine with carbide-equipped tools Recommendation: Holfmann GribH, München Tol. 089-8391-0, Faiz. 089-8391-89 www.holfmann-group.com Wellding is restricted possible. Al 15,0 % Fe 5,0 % Others 2-4% Cu Balance Standards/Specifications: Not standardized Porged parts, Castings, Extruded and HCC rods, Semi-finished products, Finished parts based on drawings Mechanical and physical properties: Brinell hardness (HB 30) Tensile strength Rm Yield strength Rm Yield strength Rm Yield strength Rp 0,2 Soon Nimm² Compressive strength Ponsity Compressive strength Elasticity modulus E Electrical conductivity at 20° C Electrical conductivity at 20° C Electrical conductivity at 20° C Electrical conductivity Temperature resistance Machine with carbide-equipped tools Recommendation: Horman day and the carbide equipped tools Recommendation: Hor	Material properties:	
Recommendation: Hoffmann GmbH, München Tel. 089-8391-0, Fax: 089-8391-89 www.hoffmann-group.com Wellding is restricted possible. Typical analysis: Al 15,0 % Fe 5,0 % Others 2-4% Cu Balance Standards/Specifications: Not standardized Porged parts, Castings, Extruded and HCC rods, Semi-finished products, Finished parts based on drawings Mechanical and physical properties: 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 3,48 m/Ohm x mm² Temperature resistance Ra 15,0 9-8 Went Compressive strength value	Application examples:	embossing, profiling and thermoforming of stainless steel plates
Fe 5,0 % Others 2-4% Cu Balance Not standards/Specifications: Not standardized Polivery formats: Forged parts, Castings, Extruded and HCC rods, Semi-finished products, Finished parts based on drawings Mechanical and physical properties: Brinell hardness (HB 30) Tensile strength Rm Side strength Rm Side strength Rp 0,2 So So N/mm² Side strength Rp 0,2 So So N/mm² Side strength Rp 0,5 % Density Tournessive strength So Mpa Elasticity modulus E Mean linear coefficient of thermal expansion Thermal conductivity at 20° C Electrical conductivity Temperature resistance Not standardized Forged parts, Castings, Extruded and HCC rods, Semi-finished products, Finished parts based on drawings 500 - 390 So S	Machining tips:	Recommendation: Hoffmann GmbH, München Tel. 089-8391-0, Fax: 089-8391-89 www.hoffmann-group.com
Delivery formats: Forged parts, Castings, Extruded and HCC rods, Semi-finished products, Finished parts based on drawings Mechanical and physical properties: Brinell hardness (HB 30) Tensile strength Rm > 680 N/mm² Yield strength Rp 0,2 > 560 N/mm² Elongation at break A5 0,5 % Density 7,2 g/cm³ Compressive strength 1500 Mpa Elasticity modulus E 120,0 KN/mm² Mean linear coefficient of thermal expansion Thermal conductivity at 20° C 34 W/m x k Electrical conductivity 3,48 m/Ohm x mm² Temperature resistance < 300° C up to the clear change in strength value	Typical analysis:	Fe 5,0 % Others 2-4%
Mechanical and physical properties: 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 Mean linear based on drawings 360 - 390 > 680 N/mm² > 560 N/mm² > 560 N/mm²	Standards/Specifications:	Not standardized
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 360 - 390 > 580 N/mm² > 560 N/mm² 7,2 g/cm³ 1500 Mpa 120,0 KN/mm² 17,5 10⁻⁶/K 34 W/m x k 3,48 m/Ohm x mm² - 34 W/m x k Sign of the clear change in strength value	Delivery formats:	
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 360 - 390 > 680 N/mm² > 560 N/mm² 7,2 g/cm³ 1500 Mpa 120,0 KN/mm² 17,5 10⁻⁶/K 34 W/m x k 3,48 m/Ohm x mm²	Mechanical and physical properties:	
Permeability 1,03 H = 100 Oe	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	> 680 N/mm ² > 560 N/mm ² 0,5 % 7,2 g/cm ³ 1500 Mpa 120,0 KN/mm ² 17,5 10 ⁻⁶ /K 34 W/m x k 3,48 m/Ohm x mm ²
	Permeability	1,03 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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