

FormAl® 200

Aluminium bronze with high strength value and good wear resistance.
Excellent sliding properties, corrosion resistance and low coefficient static friction.
Mainly used for its brilliant flow properties and resistance to corrosion.
it is certified for use in food business.

APPLICATION

- _ Bushings
- _ Leads
- _ Sliders in rolling mills
- _ Endless screw
- _ Gear machinery
- _ Valves lips
- _ Blow moulding parts

CHEMICAL COMPOSITION

(typical)

Aluminium	11 %
Iron	4 %
others	max 0,5 %
copper	balance %

SPECIFICATION AND STANDARDS

CuAl10Fe - EN 1982 - DIN 1714
ASTM B505 - C95400

MECHANICAL PROPERTIES

Hardness	190 - 210	HB
Tensile strength Rm	630 - 700	N/mm ²
Yield strength Rp 0,2%	310 - 350	N/mm ²
Elongation at break A5	> 8	%
Elasticity modulus E	117,7	GPa

reference values

PHYSICAL PROPERTIES

Electrical conductivity	14	%IACS
Thermal conductivity	8	m/Ω mm ²
Thermal conductivity 20°C	60	W/m °K
Mean linear coefficient of thermal expansion	16	10 ⁻⁶ /K
Specific heat 100°C	420	J/kg °K
Magnetic permeability	1,18	---
Temperature resistance	300	°C
Density	7,5	g/cm ³

reference values

Delivery formats

Flat bars
Round HCC
Extruded rods
Rings upon request
Forged parts upon request

