

FormAl[®]380

Alluminium Bronze with high hardness and compression resistance, elevated wear resistance. Its is obtained through a production process that gives homogeneous structure with particularly small grain size, thus guarantees the absence of defects.

APPLICATIONS

- _ Inox steel forming
- _ Inox steel bending
- _ Inox steel drawing
- _ Sliding guides
- _ Gears
- _ Spindles for bending pipes
- _ Wear parts

CHEMICAL COMPOSITION (Typical)

Alluminium	15,0 %
Iron	5,0 %
Other	5,0 %
Copper	balance %

MECHANICAL AND PHYSICAL PROPERTIES

Hardness	390	HB
Compression resistance	1500	MPa
Traction resistance Rm	> 680	N/mm ²
Yeld limit Rp 0,2%	>590	N/mm ²
Elongation A5	> 0,5	%
Elastic module E	120	KN/mm ²
Electric conductivity	3,48	m/Ω mm ²
Thermal conductivity 20°C	34	W/m °K
Thermal expansion coefficient	17,5	10 ⁻⁶ /K
Density	7,0	g/cm ³

Refer values

FEATURES

Resistance to adhesive and abrasive wear
Low coefficient of friction
Excellent polish
Good workability

DELIVERY FORMATS

Flats
Rounds
Rough machined pieces upon request

