



ALBRO^{2.2}

technical datasheet

CHEMICAL COMPOSITION

Cu	Zn	Al	Fe	Ni	Mn	Other
Rest		13,65	4,95		2	

DESCRIPTION OF MATERIAL

This Aluminium Bronze, contains approximately 13,5% Aluminium, %5 Iron, 2% Manganese. It has good hardness, wear resistance and sliding properties.

MECHANICAL PROPERTIES

Production Method	SCRM	CCRM	FRM
Tensile Strength (Rm) N/mm ²	580	580	620
Yield Strength (Rp 0,2) N/mm ²	485	485	525
Elongation (A5) %	0,5	0,5	0,5
Hardness (HB 30)	325	330	340
Elastic Modulus	103 x 10 ³ N/ mm ²		

*** SCRM: Sand Cast R.M, CCRM: Centrifugally Cast R.M, FRM: Forged & Rough Machined

PHYSICAL PROPERTIES

Density	: 7,02 g/ cm ³
Specific Heat	: 0,42 j/g.k
Electrical Conductivity	: 6 MS/ m
Electrical Conductivity (I.A.C.S.)	: 10 %
Thermal Conductivity	: 42 W/ m.K
Coefficient of Thermal Expansion	: 16,0 X 10 ⁻⁶ /K

APPLICATIONS

Deep drawing, Rollers for bending pipes, friction plates and different parts in plastic injection