



ALBRO1.2

technical datasheet (DIN:2,0971)

CHEMICAL COMPOSITION

Cu	Zn	Al	Fe	Ni	Mn	Other
Rest		9	2,5	3	1	

DESCRIPTION OF MATERIAL

This Alluminium Bronze, contains approximately 9,00% Alluminium, 2,50% Iron and 3,00% Nickel. It has a good deformation and wear resistance with good sliding properties under load.

MECHANICAL PROPERTIES

Production Method	SCRM	CCRM	FRM
Tensile Strenght (Rm) N/mm ²		700	
Yield Strenght (Rp 0,2) N/mm ²		350	
Elongation (A5) %		12	
Hardness (HB 30)		160	
Elastic Modulus	115 x 10 ³ N/ mm ²		

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

PHYSICAL PROPERTIES

Density	: 7,45 g/ cm ³
Specific Heat	: 0,42 j/g.k
Electrical Conductivity	: 8 MS/ m
Electrical Conductivity (I.A.C.S.)	: 14 %
Termal Conductivity	: 59-63 W/ m.K
Coefficient of Thermal Expansion	: 16,0 X 10 ⁻⁶ /K

APPLICATIONS

It uses as gears, bearings bushings, part of plastic injection moulds.