ALBRO 1.4
technical datasheet (DIN:2,0978)

CHEMICAL COMPOSITION						
Cu	Zn	Al	Fe	Ni	Mn	Other
Rest		11,5	6	6	0,8	

DESRIPTION OF MATERIAL
This Alluminium Bronze, contains approximately 10,50% Alluminium, 6,00% Iron and 6,00% Nickel. It has a good deformation and wear resistance with good sliding properties under load.

MECHANICAL PROPORTIES			
Production Method	SCRM	CCRM	FRM+HT
Tensile Strenght (Rm) N/mm²		750	830
Yield Strenght (Rp 0,2) N/mm²		450	590
Elongation (A5) %		5	3
Hardness (HB 30)		>185	>220
Elastic Modulus	115 x 10³ N/ mm²		

**** SCRM: Sand Cast, CCRM: Centrifugally Cast, FRM+HT: Forged&Rouh Machined+HEAT TREATED*

PHYSICAL PROPORTIES	
Density	: 7,60 g/ cm³
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.