ALBRO2.1
technical datasheet

CHEMICAL COMPOSITION						
Cu	Zn	Al	Fe	Ni	Mn	Other
Rest		13,15	4,25		0,5	

DESRIPTION OF MATERIAL
This Alluminium Bronze, contains approximately 13,00% Alluminium, 4,00% Iron. It has better hardness and mechanical proporties than ALBRO1.

MECHANICAL PROPORTIES			
Production Method	SCRM	CCRM	FRM
Tensile Strenght (Rm) N/mm²	520	550	720
Yield Strenght (Rp 0,2) N/mm²	390	385	400
Elongation (A5) %	1,5	1,5	1
Hardness (HB 30)	280	285	295
Elastic Modulus	105 x 10³ N/ mm²		

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

PHYSICAL PROPORTIES	
Density	: 7,25 g/ cm³
Specific Heat	: 0,42 j/g.k
Electrical Conductivity	: 6 MS/ m
Electrical Conductivity (I.A.C.S.)	: 10 %
Termal Conductivity	: 44 W/ m.K
Coefficient of Thermal Expansion	: 16,0 X 10^{-6} /K

APPLICATIONS
This alloy uses for metal forming in stainless steel industry as a mould and insert part, rollers for bending pipes.