



# ALBRO2.5

## technical datasheet

### CHEMICAL COMPOSITION

Cu	Zn	Al	Fe	Ni	Mn	Other
Rest	-	-	-	-	-	-

### DESCRIPTION OF MATERIAL

This alloy has an excellent strength and excellent friction properties.

### MECHANICAL PROPERTIES

Production Method	SCRM	CCRM	FRM
Tensile Strength (Rm) N/mm <sup>2</sup>	1510	1545	1575
Yield Strength (Rp 0,2) N/mm <sup>2</sup>	675	680	700
Elongation (A5) %	-	-	-
Hardness (HB 30)	360	370	380
Elastic Modulus	110 x 10 <sup>3</sup> N/ mm <sup>2</sup>		

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

### PHYSICAL PROPERTIES

Density	: 6,95 g/ cm <sup>3</sup>
Specific Heat	: 0,42 j/g.k
Electrical Conductivity	: 4 MS/ m
Electrical Conductivity (I.A.C.S.)	: 8 %
Thermal Conductivity	: 32 W/ m.K
Coefficient of Thermal Expansion	: 16,0 X 10 <sup>-6</sup> /K

### APPLICATIONS

This alloy is used in the stainless steel industry for drawing die of sink, washing machine tumblers, built-in refrigerator, stainless steel pots, kettles, service trays etc production.