



Albaksan Alaşımlı Bakır

CuNi2Si
AN2S

CHEMICAL COMPOSITION

<u>Cu</u>	<u>Ni</u>	<u>Si</u>
% rem	%1.6-2.5	% 0.4-0.8

AVAILABLE STANDART

<u>EN</u>	<u>ASTM</u>	<u>AMS</u>	<u>DIN</u>	<u>RWMA</u>
CW111C	C64700		2.0855	-

APPLICATIONS:

- Resistance Welding Electrodes
- Seam Weldings Wheels
- Plunger Tips for Aluminium High Pressure Die-Casting
- Molds for Low Gravity Die-Casting
- Circuit Breaker Switches
- Electrical Components
- Injection Nozzles
- Continuous Casting Molds (ferrous and non-ferrous metal)
- Rotor Bars and Circuit Rings
- Circuit Breaker Switches
- Electrical Components
- Rotor Wedges in Generators

SUPPLIED FORM

- Rings
- Plates
- Discs
- Tubes
- Round bars
- Square bars
- Rectangular bars
- Hexagon bars
- Custom shapes are available upon request.

PHYSICAL PROPERTIES:

Density	Specific Heat	Electrical Conductivity	Electrical Conductivity (I.A.C.S)	Thermal Conductivity
8.7 g/mm ³	0.42 J/g.K	min. 25 MS/m	min. 43 %	200 W/m.K

MECHANICAL PROPERTIES:

MATERIAL CONDITION	Tensile Strenght Rm N/mm ²	Yield Strenght Rp 0,2 N/mm ²	Elongation (A5) %	Hardness (Brinell) HB30
EXTRUDED	min. 500	min. 350	min.10	min. 160
FORGED	min. 450	min. 350	min. 10	min. 160