



Albaksan Alaşımlı Bakır

CuCrZr - Castmax AC1Z

CHEMICAL COMPOSITION

<u>Cu</u>	<u>Cr</u>	<u>Zr</u>
% rem	1%	0.1%

AVAILABLE STANDART

<u>EN</u>	<u>ASTM</u>	<u>AMS</u>	<u>DIN</u>	<u>RWMA</u>
CW106C	C18150		2.1293	CLASS II

APPLICATIONS:

- Resistance Welding Electrodes
- Seam Weldings Wheels
- Continuous Casting Molds (ferrous and non-ferrous metal)
- Rotor Bars and Circuit Rings
- Circuit Breaker Switches
- Electrical Components
- Nuclear Physic Applications
- Contacts in Vacuum Circuit Breakers
- EDM Plates

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
8.9 g/mm ³	0.38 J/g.K	min. 43 MS/m	min. 75 %	320 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. 400	min. 310	min. 13	min. 130
FORGED	min. 360	min. 270	min. 15	min. 125