



Albaksan Alaşımlı Bakır

CuCrZr
AC1Z

CHEMICAL COMPOSITION

<u>Cu</u>	<u>Cr</u>	<u>Zr</u>
% rem	% 0.3-1.2	% 0.03-0.3

AVAILABLE STANDART

<u>EN</u>	<u>ASTM</u>	<u>BS</u>	<u>DIN</u>	<u>RWMA</u>
CW106C	C18150	CC102	2.1293	CLASS II

APPLICATIONS:

- Resistance welding electrodes
- Spot welding electrodes
- Seam weldings
- Molds, Guns and Tips
- Rod Extensions
- Short Circuit Rings (Rotor End Rings)
- Rotor Bars
- Circuit Breaker Switches
- Electrical components

SUPPLIED FORM

- Ring
- Plate
- Disc
- Centifurigal
- Square bars
- Hexagon bars
- Round bar
- Custom shapes are available upon request.
- Flat bar
- Rectangularbars
- Tubes as Forged

PHYSICAL PROPERTIES:

Density	Specific Heat	Electrical Conductivity	Electrical Conductivity (I.A.C.S)	Thermal Conductivity
8.9 g/mm3	0.38 J/g.K	43-48 MS/m	75-85 %	320 W/m.K

MECHANICAL PROPERTIES:

MATERIAL CONDITION	Tensile Strenght Rm N/mm ² min.	Yield Strenght Rp 0,2 N/mm ² min.	Elongation (A5) % min.	Hardness (Brinell) HB30 min.
R480	480	450	10	150

EXTRUDED	R470	470	380	10	145
	R450	450	360	10	145
	R440	440	350	10	140
	R420	420	330	12	140
	R400	400	310	12	135
FORGED	H110	360	270	15	125

Other tempers are available upon request.

Limitations in strip thickness may apply in some tempers

AS9100D / JIS Q 9100:2016/ EN 9100:2016 certified by AFAQ

ISO 9001:2015 certified by AFAQ

OHSAS 18001:2007 certified by AFAQ

ISO 14001:2015 certified by AFAQ



