

Baksar - C02

Cu-ETP | C11000 | CW004A

Baksar-C02 Cu-ETP is a copper with low oxygen content with good electrical and thermal conductivity, mainly used in industrial, automotive, aerospace, communications and military applications for products such as cable lugs, connectors and conductors. The standards used are EN13600 for Tubes, EN13601 and EN12165 for Rods and EN13605 for Sections.

Chemical Composition

Cu	≥ 99,99 %
O	≤ 0,04%

Physical properties (Reference values at room temperature)

Electrical conductivity	MS/m	57 % IACS
Thermal conductivity	W/(m.K)	≥ 385 Btu.ft/(ft ² .h.F)
Coefficient of thermal expansion*	10 ⁻⁶ /K	17,7 10 ⁻⁶ /F
Density	10 ⁻⁶ /K	8,93 lb/in ³
Modulus of elasticity	GPa	127 ksi

Mechanical Properties

Temper	Wall Thickness in mm		Tensile Strength Rm Mpa		Yield strength Rp0.2 Mpa		Elongation A50 %	Hardness HV		Hardness HB	
	from	to	min.	max.	min.	max.		min.	max.	min.	max.
D	Cold-drawn state without any specific mechanical property										
H035	x	40	x	x	x	x	x	35	60	35	65
R200	x	40	200	250	x	120	35	x	x	x	x
H065	x	20	x	x	x	x	x	60	90	65	95
R250	x	20	250	300	150	x	15	x	x	x	x
H090	x	10	x	x	x	x	x	85	105	90	110
R290	x	10	290	360	250	x	5	x	x	x	x
H100	x	5	x	x	x	x	x	x	x	x	x
R360	x	5	360	x	320	x	3	x	x	x	x

Types and formats available*

Straight Length upto 5 meters
 LWC Coils
 Pancake Coils

*Inner and Outer diameters varies upon customer order.

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The characteristics of the above products are for reference only, and may not reflect the actual properties of the materials.