DATA SHEET

Cu-ETP | Round bars

Alloy	Cu-ETP, CW004A
Condition	Ø 5-60 mm drawn – lengths app. 3,000 mm Ø 65-220 mm extruded
Norm	DIN EN 13601
Tolerance	DIN 13601 Class A (drawn) DIN 1782 (extruded) Ø 5-10 mm +0/-0.09 mm Ø 10,5-19 mm +0/-0.11 mm Ø 20-29 mm +0/-0.13 mm Ø 30-55 mm +0/-0.16 mm Ø 56-60 mm +0/-0.19 mm Ø 65-90 mm +/-1.2 mm Ø 100-160 mm +/-1.6 mm Ø 180-220 mm +/- 2.0 mm
Machinability	moderate to difficult
Hot Workability	good
Cold Workability	very good
REACH	no obligation
RoHS	conform
Electr. Conductivity	min. 57,0 MS/m

Mechanical Properties

	Tensile strength R_m	Yield stress $R_{p\,0,2}$	Elongation A
Ø 5-19 mm R300	≥ 300 N/mm²	≥ 260 N/mm²	≥ 8 %
Ø 20-60 mm R250	≥ 250 N/mm²	≥ 180 N/mm²	≥ 15 %
> Ø 61 mm extruded	„M“ as manufactured		

Oxygen containing Cu-ETP offers high electrical conductivity, but poor weldability and hard soldering. Well suitable for soft soldering.

Chemical Analysis

Cu min. 99.9 %
Bi max. 0.0005 %
O max. 0.04 %
Pb max. 0.005 %
Others max. 0.03 %

Comparable Specifications

E-Cu57, 2.0060, DIN 1787
C11000 UNS
C 101, BS 1433

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