

CuTeP | Hexagon bars

DATA SHEET



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|-----------------------------|--|
| Alloy | CuTeP, CW118C |
| Condition | drawn |
| Norm | DIN EN 12164 |
| Tolerance | DIN 12164 hex. 10-18 mm +0/-0,11 mm hex. 19-30 mm +0/-0,13 mm hex. 31-50 mm +0/-0,16 mm |
| Machinability | very good |
| Hot Workability | very good |
| Cold Workability | good |
| Electr. Conductivity | app. 86% IACS/app. 50 MS/m |
| REACH | no obligation |
| RoHS | conform |

Mechanical Properties

| | Tensile strength R_m | Yield stress $R_{p0,2}$ | Elongation A | Hardness HB |
|------------------|---------------------------|----------------------------|-----------------|----------------|
| R250-H080 | $\geq 250 \text{ N/mm}^2$ | $\geq 180 \text{ N/mm}^2$ | $\geq 7\%$ | 80-110 |

Very good electrical conductivity (min. 50 m/Ω · mm² at 20 °C).
Very good machinability, good cold compressibility and very good heat compressibility. Weldable and hard solderable. Use for automatic turned parts amongst others.

Chemical Analysis

Cu Rest
P 0.003-0.012 %
Te 0.4-0.7 %
Others max. 0.1 %

Comparable Specifications

CuTeP, 2.1546, DIN 17666
C14500 UNS
CA 109, BS 2874