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C11000 ETP copper round bar

Copper | Mozaic Precision Metals technical reference

High electrical and thermal conductivity is primary selection driver.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	C11000 ETP copper round bar
Alloy or product family	Copper
Chemical / material identity	Electrolytic tough-pitch copper containing controlled oxygen
Selection consideration	High electrical and thermal conductivity is primary selection driver
Condition / temper	Specify oxygen/tough-pitch designation, temper and conductivity requirements
Reference standard to verify	ASTM B187 for copper bar/rod or applicable standard
Typical applications	Busbar connections, conductive machined components, electrical contacts
Limits / cautions	ETP copper may be unsuitable in certain hydrogen-containing thermal environments

RELATED MATERIAL CONSIDERATIONS

Compare C14500 tellurium copper for machinability emphasis.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Specify oxygen/tough-pitch designation, temper and conductivity requirements.

SOURCING & QUALITY NOTE

Mozaic reviews precision grinding, straightening, polishing, cutting and packaging to order-specific requirements. Numeric strength, chemistry and condition limits must be checked against the applicable specification and actual mill test report.

Reference starting point: Copper Development Association, UNS alloy composition resources

Material page: https://mozaicprecision.com/material/copper-110/

General reference: not a mill test report, certified analysis, stock guarantee or design approval.