sales@mozaicprecision.com
847-637-8379

6061-T6 aluminum round bar

Wrought aluminum alloy | Mozaic Precision Metals technical reference

Useful balanced strength, corrosion performance and processing.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	6061-T6 aluminum round bar
Alloy or product family	Wrought aluminum alloy
Chemical / material identity	Magnesium-silicon precipitation-hardened aluminum
Selection consideration	Useful balanced strength, corrosion performance and processing
Condition / temper	T6 identifies a specific solution heat treatment plus artificial aging condition
Reference standard to verify	ASTM B211/B211M for bar; exact temper and dimensional requirements
Typical applications	Fixtures, general-purpose machine parts, connector hardware
Limits / cautions	Do not treat T6 and T651/T6511 as identical for all products

RELATED MATERIAL CONSIDERATIONS

Compare 6262 for screw-machine work and 7075 for higher strength.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. T6 identifies a specific solution heat treatment plus artificial aging condition.

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: The Aluminum Association, Aluminum Standards & Data

Material page: https://mozaicprecision.com/material/6061-t6-aluminum/

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