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2024 aluminum round bar

Wrought aluminum alloy | Mozaic Precision Metals technical reference

Known for fatigue-related strength applications and lower corrosion resistance than 6061.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	2024 aluminum round bar
Alloy or product family	Wrought aluminum alloy
Chemical / material identity	Copper-magnesium age-hardenable aluminum, 2xxx series
Selection consideration	Known for fatigue-related strength applications and lower corrosion resistance than 6061
Condition / temper	Identify 2024-T3, T4 or T351/T851 as applicable to purchased form
Reference standard to verify	ASTM B211/B211M for applicable round bar
Typical applications	Aerospace components, fittings, fatigue-loaded machined parts
Limits / cautions	Do not substitute 2024 for 7075 or 6061 solely on strength; verify cladding/protective finish

RELATED MATERIAL CONSIDERATIONS

Compare 7075 for strength and 6061 for corrosion/weldability.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Identify 2024-T3, T4 or T351/T851 as applicable to purchased form.

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/2024-aluminum-round-bar/

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