



## Hard Pressed Extruded Aluminum Alloy 6061 T6 Frame Party Marquee Tent Twenty Year Structural Warranty Clear Span

Our Product Introduction

### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Tendars
- Certification: ISO 9001, CE, 6061 T6 Mill Certificate, SGS Material Test
- Model Number: TDT-6061T6-PRO
- Minimum Order Quantity: 25 Square Meters
- Price: USD 35-65 per Square Meter
- Packaging Details: Each aluminum profile individually bubble film wrapped with mill certificate label attached; profiles sorted by cross-section type in dedicated pallet sections
- Delivery Time: 10-18 working days
- Payment Terms: T/T, L/C, Western Union, PayPal
- Supply Ability: 50000 Square Meters per Month



### Product Specification

- Alloy Grade: 6061 T6 Aerospace Grade Aluminum
- Tensile Strength: 310 MPa Minimum
- Yield Strength: 275 MPa Minimum
- Elongation: 12% Minimum
- Hardness: 95 HB Brinell
- Corrosion Resistance: Class 4 Per ISO 9227 Salt Spray Test
- Surface Treatment: Anodized Or Powder Coated
- Profile Production: Hard Pressed Extrusion, EN 755 Compliant
- Highlight: **6061 T6 aluminum alloy party marquee tent, clear span party marquee tent, twenty year warranty party tent**

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## Product Description

### Hard Pressed Extruded 6061 T6 Aluminum Alloy Frame Party Marquee Tent

The frame is the backbone of any marquee tent, and ours is built from the best. Every Party Marquee Tent from Tendars uses hard pressed extruded 6061 T6 aluminum alloy, the same aerospace-grade material used in aircraft structures and high-performance engineering applications. With a tensile strength of 310 MPa and yield strength of 275 MPa, our frames withstand the structural demands of clear span designs up to 60 meters without internal columns.

Each aluminum profile comes with a traceable mill certificate verifying chemical composition and mechanical properties. The hard pressed extrusion process per EN 755 standards ensures consistent wall thickness and dimensional accuracy. Salt spray testing per ISO 9227 confirms Class 4 corrosion resistance, guaranteeing structural integrity even in coastal and high-humidity environments.

#### 6061 T6 Aluminum Alloy Specifications

Chemical composition: Al balance, Mg 0.8-1.2%, Si 0.4-0.8%, Fe 0.7% max, Cu 0.15-0.4%

Heat treatment: Solution heat treated and artificially aged to T6 temper

Surface options: Clear anodized (15µm), powder coated (60-80µm) in RAL colors

Profile sections: 4-channel, 6-channel, and 8-channel designs for accessory attachment

Connector type: Hot-dip galvanized steel twin plate, 4mm thickness

#### Quality Verification Package

Every frame shipment includes: 6061 T6 mill certificate from aluminum supplier, hardness test report (95 HB Brinell minimum), dimensional inspection report, salt spray corrosion test certificate, and welding procedure qualification record. We welcome third-party inspection at our factory before shipment.



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