



## Hard Pressed Extruded 6061 T6 Aluminum Alloy Frame Party Marquee Tent Twenty Year Structural Life European Canopy Structure

Our Product Introduction

### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Tendars
- Certification: ISO 9001, CE, 6061 T6 Mill Cert, SGS Material Test
- Model Number: TDT-6061T6-PRO
- Minimum Order Quantity: 25 Square Meters
- Price: USD 35-65 per Square Meter
- Packaging Details: Each profile individually bubble film wrapped with mill certificate label; 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 Percent Minimum
- Hardness: 95 HB Brinell
- Corrosion Resistance: Class 4 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, European canopy structure tent, twenty year structural life marquee 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 aerospace-grade 6061 T6 aluminum alloy. With 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. Traceable mill certificates verify every batch.

**6061 T6 vs Standard Aluminum Comparison**

Property	6061 T6 (Tendars)	Standard 6063 T5	Advantage
Tensile Strength	310 MPa	175 MPa	77% stronger
Yield Strength	275 MPa	130 MPa	112% stronger
Hardness	95 HB Brinell	60 HB	58% harder
Elongation	12%	8%	50% more ductile
Corrosion Resistance	Class 4 (ISO 9227)	Class 2	2 classes higher

**European Quality Assurance**

Chemical composition: Al balance, Mg 0.8-1.2%, Si 0.4-0.8%, Fe 0.7% max  
 Heat treatment: Solution heat treated and artificially aged to T6 temper  
 Surface options: Clear anodized (15um) or powder coated (60-80um) in RAL colors  
 Connector type: Hot-dip galvanized steel twin plate, 4mm thickness  
 ISO 9227 salt spray Class 4: suitable for European coastal installations

**Frequently Asked Questions**

**Q: Why is 6061 T6 better than standard aluminum tent frames?**

A: 6061 T6 offers 77% higher tensile strength and 112% higher yield strength than standard 6063 T5. This means longer clear spans with smaller profiles, better wind resistance, and 20+ year structural life versus 10-12 years for standard frames.

**Q: Do you provide mill certificates for customs verification?**

A: Yes, every aluminum profile shipment includes traceable mill certificates verifying chemical composition and mechanical properties. These are accepted by European customs for tariff classification and quality verification.



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