



## UL ANSI Certified Party Marquee Tent Commercial Grade USA Market Hurricane Wind Rated Event Canopy Structure

Our Product Introduction

### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Tendars
- Certification: UL Electrical Safety, ANSI Structural, NFPA 701 Fire Retardant, ISO 9001
- Model Number: TDT-USA-CERTIFIED
- Minimum Order Quantity: 25 Square Meters
- Price: USD 45-75 per Square Meter
- Packaging Details: ANSI compliant labeling on all packages; UL marked electrical components; standard pallets for US customs clearance
- Delivery Time: 15-25 working days sea freight to USA ports
- Payment Terms: T/T, L/C, Wire Transfer USD
- Supply Ability: 50000 Square Meters per Month



### Product Specification

- Wind Rating: 150km/h Fully Guyed
- Certification: UL Electrical ANSI Structural NFPA 701
- Frame Type: 6082 T6 USA Spec Aluminum Alloy
- Fabric Grade: 850gsm USA Commercial PVC
- Snow Load: Customizable 0.3 To 1.5 KN Per Sqm
- Frame Material: Hard Pressed Extruded Aluminum Alloy 6082 T6
- Highlight: **UL ANSI certified party marquee tent, commercial grade event canopy structure, hurricane wind rated party tent**

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## Product Description

### UL ANSI Certified Party Marquee Tent for USA Commercial Events

Engineered specifically for North American standards and conditions. Our Party Marquee Tent carries UL electrical safety certification, ANSI structural compliance, and NFPA 701 fire retardant certification — meeting every major USA regulatory requirement for commercial event tents.

#### Americas Market Certifications

Certification	Standard	Scope	Market Relevance
UL Electrical Safety	UL 1640 Portable Power Distribution	All electrical components lighting power	Required by USA event venues insurers
ANSI Structural	ANSI E1.21 Temporary Structures	Frame engineering wind load testing	USA building code permit compliant
NFPA 701	Flame Propagation Textiles	Roof sidewall PVC fabric	Fire marshal approval all USA states
ASTM D751	Coated Fabrics Testing	Tensile tear adhesion UV resistance	USA commercial tent fabric standard

#### CNC Aluminum Frame Production Process

Step	Process	Equipment	Quality Control
1. Raw Material	6082 T6 aluminum billet ingot inspection	Spectrometer composition analysis	ASTM B221 6082 T6 certification per batch
2. Extrusion	1600 ton hydraulic press hot extrusion at 480°C	Custom die profiles 4-cavity molds	Real time profile gauge laser measurement
3. Aging	T6 artificial aging furnace 175°C for 8 hours	Computer controlled temperature chamber	Brinell hardness test minimum 95 HBW
4. CNC Cutting	5 axis CNC machining center precision cutting	DMG MORI CMX 1100V CNC 0.01mm accuracy	Each batch first piece inspection CMM report
5. Hole Drilling	CNC drilling tapping center multi spindle	Brother TC-S2Dn high speed drill tap	Go no go gauge 100% inspection
6. Deburring	Automated vibratory deburring machine	Walther Trowal continuous flow system	Visual inspection all surfaces edge checking
7. Surface Treatment	5 stage pretreatment plus powder coating	Gema automatic powder coating line	Coating thickness 60-80µm adhesion cross hatch test
8. Assembly Test	Pre assembly random sample per production batch	Full frame mock up with fabric	Dimensional tolerance check fit gap verification

#### PVC Fabric Technical Parameters — Americas Standard

Parameter	Test Standard	Our Value	Industry Average	Advantage
Base Fabric Weight	ASTM D3776	850 gsm	650 gsm	30% heavier longer service life
Tensile Strength Warp	ASTM D5034	3800 N / 5cm	2800 N / 5cm	36% stronger for wind loading
Tensile Strength Weft	ASTM D5034	3500 N / 5cm	2600 N / 5cm	35% stronger cross direction
Tear Strength Warp	ASTM D2261	650 N	450 N	44% higher tear resistance
Tear Strength Weft	ASTM D2261	580 N	400 N	45% higher tear resistance
Adhesion	ASTM D751	120 N / 5cm	90 N / 5cm	33% better coating bond
Cold Crack	ASTM D2136	-40°C no cracking	-30°C	10°C lower for Canada winter
UV Resistance	ASTM G154 Xenon Arc	5000 hours Grade 4 plus	3000 hours	67% longer sun exposure life
Fire Retardant	NFPA 701 Method 1	Passes with margin	Pass borderline	Consistent batch compliance
Water Resistance	ASTM D751 Hydrostatic	2000 mm water column	1500 mm	33% higher waterproof rating

#### Wind Resistance Testing — Hurricane Zone Certified

Wind Speed	Test Method	Configuration	Result	Application
80 km/h	Wind tunnel scale model 1:10	Standard stake anchoring	No deformation stable	Normal USA event conditions
120 km/h	Wind tunnel with fabric flutter	Reinforced anchoring all corner	Minor fabric flutter frame stable	Tropical storm conditions
150 km/h	Full scale field test at coastal site	Full guying system storm anchors	Frame stable fabric under tension	Category 1 hurricane zone
170 km/h	Finite Element Analysis computer	Heavy duty steel anchors concrete	Survivable with engineering	Custom engineered for extreme

#### Frequently Asked Questions — Americas Markets

##### Q: Is this tent legal for commercial use in the USA?

A: Yes. Our tent carries UL electrical certification, ANSI structural compliance, and NFPA 701 fire retardant. These are the three essential certifications required by US event venues, insurers, and fire marshals across all 50 states.

##### Q: What wind rating do I need for Florida hurricane season?

A: For Florida and Gulf Coast states, we recommend our 150km/h rated configuration with full guying system and storm anchors. For Category 2+ hurricane zones, contact us for custom engineering with embedded concrete anchoring specifications.

##### Q: How quickly can I get replacement parts in the USA?

A: We maintain a Los Angeles warehouse with common spare parts and replacement fabric panels. Standard shipping within USA is 3-5 business days. Emergency air freight from factory is 5-7 business days.



**Guangzhou Tendars Tent Co., Limited**

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