

Outdoor Chair Sourcing & Testing Guide

A practical guide for B2B buyers planning an outdoor chair program. It covers how to spec your chairs, compare the materials we manufacture, understand the test standards behind every claim on our product pages, and plan MOQ, lead time, and compliance — all in one document.

HOW TO SPEC AN OUTDOOR CHAIR PROGRAM

1. Define the category

Dining, lounge, folding, beach or poolside, stackable, or accent. Each changes frame geometry, load rating, and packaging.

2. Identify the destination market

Standards differ: EN 581-2 in Europe, ANSI/BIFMA X5.4 in North America. See the Market Guide below.

3. Set weight capacity

Target a rated static load (typically 110-160 kg) and confirm the factory tests it on production units, not prototypes.

4. Choose materials by climate

Coastal programs want stainless or electrophoretic undercoat. High-UV markets want 1,500 h+ weatherometer-rated fabric.

5. Lock MOQ, lead time, and container plan

Confirm volumes and a mixed-container consolidation plan before sampling so freight stays predictable.

MATERIAL SELECTION

Material	UV Resistance	Corrosion	Stack	MOQ	Best For
PE Rattan (HDPE)	1,500+ h ASTM G154	UV-8 stabilized, no rust	4-high	300 units	Retail & casual dining
Aluminum 6063-T5	Powder-coated, UV-stable	500+ h salt spray	6-high	200 units	Hospitality & residential
Textilene® Sling	1,500+ h UV rating	Breathable, quick-dry	6-high	On request	Poolside & loungers
Injection-Molded PP	1,500+ h ASTM G154	No rust, no fade	8-high	500 units	Events, venues, cruise lines
Stainless Steel 304/316	UV-stable finish	1,000+ h salt spray	—	On request	Coastal / high-wind
Solid Teak (FSC)	Naturally ages to silver-grey	Naturally rot-resistant	—	On request	Luxury hospitality

TEST & QC STANDARDS

Standard	What It Validates
EN 581-2 / ANSI BIFMA X5.4	Structural load & durability — seat 1,600 N, backrest 800 N, armrest 500 N
ASTM G154	UV accelerated weathering — 1,500+ h, color shift dE ≤ 4, tensile retention ≥ 80%
ASTM B117	Salt spray corrosion — 500+ h aluminum, 1,000+ h stainless
ISO 2409	Cross-hatch coating adhesion on powder-coated surfaces
ISTA 3A	Packaged drop & vibration — 17-drop protocol, zero structural damage

COMPLIANCE & DOCUMENTATION

- ISO 9001 quality management system and BSCI social compliance audit
- REACH / RoHS restricted-substance declarations for European markets
- Flammability certificates for cushion and sling materials

- AQL 2.5 pre-shipment sampling with photo evidence
- Container dossier: material certificates, test reports, AQL results, and loading photos shipped with every container

MOQ & LEAD TIMES

- Aluminum frame chairs: 200 units per design — lead time 25-35 days
- PE rattan chairs: 300 units per design
- Injection-molded resin chairs: 500 units per design (mold amortization)
- Pilot batches of 50-100 units available for market validation before scale
- Engagements structured for brands with \$400K+ annual outdoor procurement

MARKET GUIDE

NORTH AMERICA

Materials: Aluminum 6063-T5, injection-molded PP, resin value lines

Standards: ANSI / BIFMA X5.4, ASTM G154 / B117

Compliance: California Prop 65 labeling, UPC / branded packaging, high stackability for warehouse density

EUROPE

Materials: PE rattan dining & loungers, Textilene sling, FSC-certified teak

Standards: EN 581-2 structural, REACH / RoHS

Compliance: Flammability for cushions, low-VOC TGIC-free coatings, color consistency across lots

HOSPITALITY & RESORTS

Materials: Stainless 304/316 for coastal, stackable beach loungers, quick-dry cushions

Standards: 1,000+ h salt spray, EN 581-2 / BIFMA X5.4

Compliance: Rated capacity embossed on frame, wheel kits for pool decks, mixed-container consolidation

Get Your Factory-Direct Quote

Tell us your chair category, target market, and annual volume. We will match materials and test protocols to your program and return a factory-direct proposal with pricing, MOQ, and lead times — within 24 hours, no obligation.

Request Your Chair Sourcing Proposal

www.ogpsgroup.com · [WhatsApp +86 158 1369 5321](https://www.ogpsgroup.com/whatsapp)

Designed for brands with annual outdoor chair procurement of \$400K+. Enterprise engagements only.

This guide reflects the documented capabilities described on ogpsgroup.com/outdoor-furniture/outdoor-chair/. Test thresholds are our standard internal QC acceptance criteria; per-program requirements may differ.