

Material Comparison Chart

Compare Cotton, Poly-Cotton, French Terry, Fleece & More
A Comprehensive Guide by Sleek Apparels Limited

Make Informed Fabric Decisions for Your Brand

Choosing the right fabric is critical to your product's success. This comprehensive comparison chart helps fashion brands, startups, and retailers understand the key differences between popular apparel materials. Use this guide to select fabrics that align with your brand values, target market, and product requirements.

Fabric Type Comparison Matrix

Fabric Type	Composition	Weight (GSM)	Feel & Comfort	Best Use Cases	Price Range
100% Cotton	100% natural cotton fibers	145-200	Soft, breathable, natural feel	T-shirts, Casual wear, Basics	\$\$\$ Eco-conscious brands
Poly-Cotton (65/35)	65% Polyester, 35% Cotton	160-200	Smooth, durable, less shrinkage	Workwear, Performance basics	\$\$
CVC (Chief Value Cotton)	100% Cotton, 40% Polyester	180-220	Cotton-like feel with enhanced durability	Polos, Shirts, Retail fashion	\$\$\$
French Terry	Cotton or Cotton-Poly blend	240-300	Soft inside loops, smooth outside	Hoodies, Sweatshirts, Joggers	\$\$\$ Loungewear
Fleece (Brushed)	Polyester or Cotton-Poly with brushed finish	280-400	Warm, insulating, ultra-soft	Cozy hoodies, Cold-weather wear	\$\$\$ Activewear
Performance Polyester	100% Polyester with moisture-wicking treatment	140-180	Lightweight, moisture-wicking	Athletic wear, Gym clothes	\$\$ Running gear
Ring Spun Cotton	100% Ring spun cotton (premium)	160-220	Softer than regular cotton, higher durability	High-end fashion tees, Retail brands	\$\$\$

Performance Characteristics Rating

Rating scale: ★★★★★ (Excellent) to ★ (Poor). Use these ratings to match fabric properties with your product requirements.

Fabric Type	Breathability	Durability	Stretch	Shrinkage Resistance	Eco-Friendly	Easy Care
100% Cotton	★★★★★	★★★	★★	★★	★★★★★	★★★
Poly-Cotton	★★★★	★★★★★	★★	★★★★★	★★	★★★★★
CVC	★★★★	★★★★	★★★	★★★★	★★★	★★★★
French Terry	★★★★	★★★★	★★★	★★★	★★★	★★★
Fleece	★★★	★★★★	★★★	★★★★	★★	★★★★
Performance Polyester	★★★★★	★★★★★	★★★★	★★★★★	★	★★★★★
Ring Spun Cotton	★★★★★	★★★	★★	★★	★★★★★	★★★

Fabric Selection Decision Guide

Your Priority	Recommended Fabric	Why This Works
Maximum comfort & softness	Ring Spun Cotton or 100% Cotton	Natural fibers provide unmatched softness and breathability
Durability & longevity	Poly-Cotton or CVC	Polyester blend reduces shrinkage and increases wear resistance
Eco-conscious branding	100% Cotton or Ring Spun Cotton	Natural, biodegradable material with sustainable sourcing options
Athletic/Performance wear	Performance Polyester	Moisture-wicking and quick-dry properties for active use
Cold weather apparel	Fleece or Heavy French Terry	Insulation and warmth without excessive bulk
Budget-friendly production	Poly-Cotton blend	Cost-effective while maintaining good quality
Premium retail positioning	Ring Spun Cotton or CVC	Superior hand feel justifies higher retail price points
Uniform/Workwear	Poly-Cotton 65/35	Excellent durability with minimal maintenance requirements

Knitwear Gauge Reference Guide

For knitwear products (sweaters, cardigans, knit polos), gauge determines the fabric density and texture. Lower gauge numbers = chunkier knit. Higher gauge = finer, smoother knit.

Gauge	Needle Size	Fabric Texture	Best For	Season
5GG	Extra Thick	Chunky, visible stitch pattern	Statement sweaters, Winter cardigans	Fall/Winter
7GG	Thick	Textured, casual look	Everyday sweaters, Casual knitwear	Fall/Winter
12GG	Medium	Smooth, refined texture	Business casual knits, Versatile pieces	All seasons
14GG	Fine	Lightweight, smooth finish	Spring/Summer knits, Layering pieces	Spring/Summer

Key Fabric Selection Considerations

- 1. Target Market:** Consider your customer demographics. Eco-conscious consumers prefer 100% cotton, while athletes need performance fabrics.
- 2. Pricing Strategy:** Premium fabrics (Ring Spun Cotton) support higher retail prices. Poly-Cotton allows competitive pricing.
- 3. Product Lifecycle:** Will items be washed frequently? Durability matters for uniforms and workwear.
- 4. Printing/Decoration:** Some fabrics accept screen printing better. Cotton is ideal for water-based inks, polyester for heat transfer.
- 5. Certifications:** Sleek Apparels offers OEKO-TEX certified fabrics (free from harmful chemicals) - important for children's wear and sensitive skin.
- 6. MOQ Impact:** Our 50-piece MOQ allows you to test multiple fabric types before committing to large production runs.
- 7. Seasonal Considerations:** Plan fabric selection 4-6 months ahead based on selling season (Winter: Fleece, Summer: Performance Polyester).
- 8. Care Instructions:** Poly-Cotton blends require less maintenance - important for busy consumers. 100% Cotton may need gentle care.

Need Help Choosing the Right Fabric?

Our team at Sleek Apparels provides complimentary fabric consultation

Contact us: inquiry@sleekapparels.com | +880-186-1011-367

Visit: sleekapparels.com | MOQ: 50 pieces | Lead Time: 15-25 days

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