

TECHNICAL DATA SHEET

Polyester Single Jersey with Elastane

Weight	160-250 g/m ² (4.7-7.4 oz/yd ²)
Composition	~92-95% polyester / 5-8% elastane (spandex); commonly 95/5 and 92/8.
Knit type	Single jersey + elastane · Single Jersey
Use class	Sport
Stretch	2-way stretch
Knit	Elastane plated with the body yarn on the single-jersey base; gives 2-way weft stretch.
Hand	Fuller and more recovering than plain jersey; body-skimming, soft, elastic.
Typical use	Activewear · fitted tees · sports innerwear
Strength	The stretch single-face base for fitted pieces that must move and snap back.
Watch for	A single elastane end is usually 2-way (not 4-way); excess heat/chlorine fatigues elastane.

CERTIFICATIONS

ISO 9001	ISO 14001	ISO 45001	OEKO-TEX STEP	STANDARD 100	GRS · RCS
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Width, gauge, finishing options and test standards are shared on request.

Typical technical ranges

Weight tolerance	±5% (typical); on light/fine jersey (≤150 g/m ²) practically ±5-7%
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Width	Open width 150-200 cm; tubular 70-110 cm (varies with machine diameter/inches and gsm)
Shrinkage (wash)	After-wash length/width -3% ... -7% (typical after heat-set; length usually higher); higher if not set / high-twist yarn
Color fastness	Wash 4-5; rubbing dry 4-5, wet 3-4; light 4-6 (lower bound on deep/bright and pale shades); perspiration (acid/alkaline) typically 4-5
Abrasion / pilling	Martindale ~20,000-40,000 cycles (smooth jersey, end-use dependent); pilling 3-4. Brushed/raised variants (fleece) more prone
Gauge / yarn	Machine gauge ~E20-E28 (fine sport jersey E28-E32); yarn typically 75-150 den PES filament (DTY), 50-75 den on fine gauge, heavy jersey 150-300 den

These ranges are industry-TYPICAL / indicative values based on construction and fiber, not Fersan's binding QC measurements. Exact values are confirmed per order, approved sample and lot-based QC report.

Related reading: [**Polyester Knit Basics: The Backbone of Performance**](#) ·

[**Single Jersey vs Interlock: Choosing a Polyester Knit**](#) · [**GSM Weight Guide: Choosing the Right Fabric Weight**](#) · [**The Weight Map: Which Knit Goes Where, from 80 to 400 g/m²**](#)