

TECHNICAL DATA SHEET

Polyester Rib Knit with Elastane

Weight	190-300 g/m ² (5.6-8.8 oz/yd ²)
Composition	Polyester + elastane (spandex); typically 5-10% elastane (commonly 6-7%), the rest polyester.
Knit type	Rib + elastane · Rib
Use class	Everyday
Stretch	2-way stretch
Knit	A 1x1/2x2 rib knitted with elastane; it adds recovery and durable stretch to the rib's natural crosswise give.
Hand	More elastic than plain rib, hugging the body, springy; the channel texture is retained.
Typical use	High-turn cuffs/collars/waistbands · fitted bodies/blouses · sport trims
Strength	Elastane strengthens the rib's crosswise stretch and markedly improves shape retention.
Watch for	Elastane is sensitive to heat and long-term laundering; elasticity can fade over time at high temperatures.

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); ±5-7% may apply on heavy/dense rib and elastane-blended variants
Width	Relaxed open width typically ~70-190 cm; tubular width typically 30-90 cm (Ø). Because rib contracts strongly widthwise, the relaxed width is markedly narrower than off-machine width and is highly sensitive to relax/tension state at measurement
Shrinkage (wash)	Post-wash typically ±5% in length/width (length may show a small positive growth). Due to widthwise recovery, rib can show higher dimensional change in WIDTH than single-jersey; under-set goods may reach -6 to -7% in width, while good heat-setting brings it toward ±3%
Color fastness	Wash ≥4, rubbing (dry) ≥4 / (wet) ≥3-4, light ≥4-5 (grey/blue scale, min). Typically good for disperse-dyed PES; on dark/bright shades wet rub may sit at the lower bound due to sublimation/migration
Abrasion / pilling	Martindale typically ~20,000-40,000+ cycles; pilling typically grade 3-4 / 4 (ISO 12945), dropping toward 3 on textured/bulky yarn. Plain rib face pills relatively well; textured/bulky yarn or surface fuzz pushes it toward the lower bound
Gauge / yarn	Typical machine gauge E14-E24 (coarse cuff/collar rib E14-E18; standard cuff/collar rib E18-E22; fine sport rib up to E24). Yarn typically 75-150 denier PES (DTY textured), 50-75 denier on finer builds; elastane variant adds ~20-40 denier spandex

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: [Rib, Interlock and Ponte: Choosing the Right Double-Face Knit](#) ·

[Naming in Polyester Knits: When One Fabric Has Many Names](#) ·

[Knit Defects: Spirality, Barré and Holes — Root Cause and Control](#) ·

[Compacting & Residual Shrinkage: How Compactors Lock In Dimensional Stability](#)