

TECHNICAL DATA SHEET

Polyester Stretch Interlock with Elastane

Weight	180-300 g/m ² (5.3-8.8 oz/yd ²)
Composition	Polyester base + elastane; typically 5-12% (from comfort to high recovery). Higher levels belong to warp-knit power nets, not interlock.
Knit type	Stretch interlock + elastane · Interlock
Use class	Sport
Stretch	4-way stretch
Knit	Elastane fed/covered into the interlock double-knit; multi-direction stretch while keeping the stable twin faces.
Hand	Soft, fluid and elastic; body-hugging, snaps back when stretched; semi-matte smooth.
Typical use	Leggings · sports bras/bodysuits · yoga/performance tops
Strength	Strong multi-direction stretch and shape retention via elastane — ideal where compression is needed.
Watch for	Elasticity can fade with heat/chlorine over time; can sheer when stretched at low weights.

CERTIFICATIONS

ISO 9001	ISO 14001	ISO 45001	OEKO-TEX STEP	STANDARD 100	GRS · RCS
----------	-----------	-----------	---------------	--------------	-----------

Width, gauge, finishing options and test standards are shared on request.

Typical technical ranges

Weight tolerance	±5% (typical); may run ±5-7% on heavier/technical qualities
Width	Open width ~150-185 cm; tubular ~80-100 cm (varies with cylinder diameter and weight)
Shrinkage (wash)	Width/length ~-3% to -6% (typical, target ≤ ~5%); first-wash length may run slightly higher
Color fastness	Wash 4-5; rubbing (dry) 4-5, (wet) 3-4 (lower wet on deep/bright shades); light 4-6 (deeper shades higher)
Abrasion / pilling	Martindale ~20,000-40,000+ rubs (plain interlock, dense double-face structure); pilling ~3-5 (typically 4-5 on flat filament; textured/staple content or softener can drop a grade)
Gauge / yarn	Machine gauge ~E18-E28 (E20-E24 typical for mid-heavy 170-250 g/m ² ; fine sport interlock up to E28); yarn ~75-150 den DTY (50-75 D on fine qualities, 167-300 D on heavy)

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](#) · [Knit Quality Testing: What to Measure in Polyester](#)