

TECHNICAL DATA SHEET

Polyester French Terry with Elastane

Weight	210-320 g/m ² (6.2-9.4 oz/yd ²)
Composition	~93-97% polyester / 3-7% elastane (spandex); most often ~95/5. Cotton-PES-elastane tri-blends also exist.
Knit type	Stretch French terry + elastane · French Terry
Use class	Sport
Stretch	2-way stretch
Knit	Elastane added to the loop-back knit (usually fed every course); ground, loop and elastane knit together.
Hand	Flat face / looped back; with elastane more elastic, body-hugging and recovering; good recovery.
Typical use	Active/slim sweats-hoodies · stretch joggers · athleisure
Strength	Elastane adds body-hugging stretch and shape retention to French terry — less bagging at knee/elbow.
Watch for	Elastane can degrade with heat/chlorine; wrong wash/dry reduces stretch; mostly 2-way.

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% (±6-7% on heavy/brushed variants)
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Width	Open width typ. 150–200 cm; tubular typ. 70–100 cm (half-circumference). Varies with cylinder diameter (30–34")/gauge and finished-width setting
Shrinkage (wash)	After-wash dimensional change typ. width –3 to –7%, length –3 to –7% (heat-set + compacting pulls toward the lower end; predominantly shrinkage direction). No hygroscopic shrink in 100% PES; looped-back relaxation can run slightly above plain jersey
Color fastness	Wash 4–5; rubbing dry 4–5, wet 3–4; light 4–6 (deep/bright and turquoise/navy shades may drop wet-rub to 2–3 and light to the lower end). Typical for disperse-dyed PES
Abrasion / pilling	Martindale abrasion typ. 20,000–40,000+ cycles; pilling ISO 12945 grade 3–4 (looped-back floats make it slightly more pill-prone than flat jersey; brushed variant can drop to 2–3)
Gauge / yarn	Machine gauge typ. E18–E24 (medium); feed yarn typ. 75–150 denier PES filament (150–300 denier on heavy variants). Finer/sporty toward E24, heavy sweat-fabric toward E18

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: [Fleece and Scuba: Structured Polyester Knits](#) ·

[Brushed, Unbrushed and Fleece: Where Warmth Comes From in Polyester Knits](#)