

TECHNICAL DATA SHEET

Polyester French Terry

Weight	180-330 g/m ² (5.3-9.7 oz/yd ²)
Composition	100% polyester (fine ground + ~2× thicker loop yarn); cotton-PES is common in the market, pure/high-PES applies for a polyester specialist.
Knit type	French terry (two-thread loop-back) · French Terry
Use class	Everyday
Stretch	Mechanical stretch
Knit	A loop-back knit on a single-bed machine: the ground yarn makes the flat face, the thick loop yarn the uncut loops on the reverse.
Hand	Flat, print-friendly face; soft, looped, lofty reverse; mid-full, lightly structured.
Typical use	Sweatshirts · hoodies · joggers · mid-season tops
Strength	Loop-back balances breathability with light warmth; polyester adds durability and fast drying.
Watch for	Pure-PES French terry is less common than cotton and can feel cooler/more synthetic; lacks cotton's next-to-skin softness.

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)
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**](#)