

TECHNICAL DATA SHEET

Brushed (Fleece-Backed) Polyester French Terry

Weight	240-360 g/m ² (7.1-10.6 oz/yd ²)
Composition	100% polyester; the thick loop yarn on the reverse is brushed/napped. Cotton-PES brushed terry is also common.
Knit type	Brushed-back French terry · French Terry
Use class	Outer / structured
Stretch	Mechanical stretch
Knit	The reverse of a two-thread loop-back is brushed (raised); the loops open into a soft, fleece-like back.
Hand	Flat face; napped, soft, warm fleece-like back; fuller and loftier.
Typical use	Winter sweatshirts · brushed hoodies · fleece-backed joggers · loungewear
Strength	A brushed back delivers clear softness and warmth without adding much weight.
Watch for	The napped surface can flatten/pill over time; polyester pile may pill more visibly than cotton.

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](#)