

TECHNICAL DATA SHEET

Brushed-back Three-thread Fleece

Weight	300-400 g/m ² (8.8-11.8 oz/yd ²)
Composition	Polyester-led (ground + fleece + binder); the back is brushed. Cotton-PES versions are also common.
Knit type	Brushed-back three-thread fleece · Three-thread Fleece
Use class	Outer / structured
Stretch	No stretch
Knit	After knitting, the back fleece-yarn (third yarn) floats are raised by brushing; the jersey face is kept.
Hand	Plush, soft and warm back; matte, full face; thicker and softer than unbrushed.
Typical use	Winter hoodies/sweatshirts · heavy joggers · fleece-lined comfortwear
Strength	The brushed back delivers the most warmth and softness — the family’s warmest, plushest option.
Watch for	Brushing raises pilling and nap-loss risk over time; the napped back can lengthen drying time.

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	Typically $\pm 5\%$ (on heavy/brushed three-thread lots $\pm 5-8\%$ may be seen in practice; locked at sample approval)
Width	Open width typ. ~170-200 cm; tubular ~80-100 cm (depends on machine diameter/needle count + brushing and compacting take-up; final width confirmed by sample)
Shrinkage (wash)	After wash typ. length/width -4% to -7% (with heat-set + compacting can be brought to -3 to -5% ; brushed/laid-in yarn slightly more movement in length; ± 0.5 pt sample variance is normal)
Color fastness	Typical (min) — wash 4-5, rubbing dry 4-5 / wet 2-3 (deep/bright shades down to 2), light 4-5; perspiration (acid/alkaline) 4-5. Brushed pile face makes wet rub the critical weak point — confirmed by shade/recipe
Abrasion / pilling	Pilling typ. grade 2-3 on raw/brushed face (3-4 with anti-pilling yarn/finish); Martindale abrasion for structural integrity typ. >20,000 cycles. For three-thread the critical QC field is pilling — not Martindale
Gauge / yarn	Typical machine gauge E16-E22 (sporty/heavy body E16-E18, finer face E20-E22); body/loop yarn typ. ~150-300 denier, binder finer — denier confirmed by machine and target weight

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**](#)