

TECHNICAL DATA SHEET

Anti-Pill Fleece

Weight	200-340 g/m ² (5.9-10.0 oz/yd ²)
Composition	100% polyester; standard fleece + an anti-pill (anti-pilling) surface finish.
Knit type	Anti-pill fleece · Polar Fleece
Use class	Outer / structured
Stretch	Mechanical stretch
Knit	On the raised, sheared fleece ground, an anti-pill treatment / singe-shear (often one-sided) fixes the nap tips.
Hand	Soft napped like standard fleece; the surface stays smoother/more even and dulls less with use.
Typical use	Frequently-washed fleece jackets/tops · kidswear · corporate/promo fleece · blankets
Strength	Keeps standard fleece's warmth while staying smooth and pill-free even after many washes and abrasion.
Watch for	Anti-pill is a finish, not absolute; some pilling can still appear under very aggressive use; durability depends on application quality.

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% (typical); on raised/napped fleece ±5-7% is more realistic, up to ±7% on light micro-fleece
Width	Open width ~150-190 cm (typically 160-180); tubular ~70-95 cm. Varies with machine diameter/cut, weight and stenter draw
Shrinkage (wash)	Length/width ~±2-4% (typical after proper heat-set); may reach ~5% in length if setting/finishing is weak. A ≤±3% target is common
Color fastness	Wash 4-5; rubbing (dry) 4-5, (wet) 3-4; light 4-6 (typical disperse-dyed PES). Minimum ~4 targeted; wet rub drops to the low end on deep/bright shades
Abrasion / pilling	Pilling 2-3 (raw/unfinished) → 3-4 with anti-pill shearing/finish, up to 4 in good cases. Martindale abrasion is usually not reported for fleece; if reported, ~15,000-30,000 cycles order of magnitude (construction/yarn dependent)
Gauge / yarn	Machine gauge ~E18-E24 (typically E20-E22; heavy/lofty polar down to E16-E18); yarn typically 100-300 denier textured (DTY) PES (coarser denier or plied feed for nap/loft; ~75 denier microfilament on micro-fleece)

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](#) ·

[The Weight Map: Which Knit Goes Where, from 80 to 400 g/m²](#) ·

[Thermophysiological Comfort: Ret, Rct and the Sweating Hot Plate](#)