

TECHNICAL DATA SHEET

Athletic Mesh (Raschel)

Weight	110-170 g/m ² (3.2-5.0 oz/yd ²)
Composition	100% polyester (PES); elastane-free mechanical give. A ~88-92% PES / 8-12% elastane variant can be knitted for light recovery when needed.
Knit type	Athletic mesh (warp knit) · Raschel
Use class	Sport
Stretch	Mechanical stretch
Knit	An open mesh built by warp knitting on a Raschel machine: unlike weft/circular knitting, the yarns loop in the vertical warp direction, which yields a holed structure that resists curling at the edges, won't ladder and stays dimensionally stable. Not to be confused with the weft-knit Athletic Mesh in our catalogue — though similar in look, it is a technically different knit family.
Hand	Light, dry and airy; the pores are clearly felt, the structure holds its form more firmly than weft mesh, and it doesn't cling to the skin.
Typical use	Sport tops/lining · footwear & bag mesh · inner lining
Strength	Its warp-knit structure pairs high airflow with resistance to laddering and edge curl, holding its shape under use.
Watch for	Elastane-free mechanical stretch is limited; close-fitting cuts that need true recovery call for the elastane variant.

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.

Related reading: [Beyond Circular Knitting: Warp Knitting and Weaving](#) ·

[Tricot or Raschel? A Warp-Knit Selection Guide](#) · [Warp Knitting's Hidden Superpower: 3D Spacer Fabric](#)

FERSAN TEKSTIL · WWW.FERSANTEKSTIL.COM · (0212) 875 43 13