



EEONTEX™ CONDUCTIVE STRETCHABLE FABRIC Part of the EeonTex™ Piezoresistive Textile Product Line

EeonTex™ conductive stretchable fabric, LTT-SLPA-xxxK, is a bi-directionally stretchy, nylon/spandex, elastic fabric coated with a proprietary conductive formulation. It is suitable for many applications, especially those demanding greater environmental stability, stretch, and conformability to irregular shapes. This particular EeonTex™ fabric has found use in soft, biometric strain and pressure sensors, such as for smart beds and seats, where softness, flexibility, and conforming to irregular shapes is required.

Parameters of EeonTex™ LTT-SLPA-20K, -60K, & -100K

Part Number: **EeonTex™** LTT-SLPA-20K, -60K, and -100K

Composition: 72% Nylon/28% Spandex

Mass per unit area: 4.8 oz/sq. yd.

Thickness: approx. 15 mils (0.38 mm)

Warp knit: wales 38-44, courses 50-56

Elongation: longitudinal 198-248%, w/ recovery of at least 85%

Width: 56 in (142 cm)

Typical Through Resistance (Rz) Ranges: 10K - 30K; 40K – 80K; 80K – 120K Ω
(Measured through a 1-1/8 in. diameter probe under 5 psi (34.7 kPa) applied pressure.)

Available as 10 yd, continuous pieces

The surface resistivity can be tailored for specific requirements in the range of 10E4 – 10E7 ohm/sq. EeonTex™ conductive stretchable fabric can also be coated with proprietary, secondary coatings to enhance stability and launderability and to make it flame-resistant and bactericidal.

For more information, please call 1-314-878-9190, fax 1-314-878-0744, or email info@marktek-inc.com

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