

# EEONTEX™ PIEZORESISTIVE MICROFIBER NONWOVEN FABRIC



## Part of the EeonTex™ Conductive Textile Product Line

**EeonTex™ piezoresistive nonwoven fabric, NW170-SLPA-xxK**, is a hydrotangled nonwoven of polyester and nylon microfibers coated with a proprietary, conductive polymer formulation that can be tailored to different surface resistivities. Depending on the resistivity, the fabric is suitable for many high-tech applications such as static dissipation and pressure sensing. The conductive nonwoven materials are piezoresistive (resistance changes with compression), which, combined with their durability, makes them especially suitable for biometric pressure mapping sensors. Given the broad range of resistivities available and the durability of the substrate, EeonTex conductive nonwoven fabrics can be utilized in a large array of applications.

### **Description of EeonTex™ Conductive Microfiber Nonwoven Fabric**

Part Number: NW170-SLPA-2K, -20K, -80K

Weight: ~5-6 oz/yd<sup>2</sup> (170 - 205 g/m<sup>2</sup>)

Nominal width: up to 60 inches (1.52 m)

Thickness: ~25 mils (0.6 mm)

Tensile Strength (MD x CD): 51 lb/in x 51 lb/in

Elongation at Break (MD x CD): 40% x 45%

Tear Resistance (MD X CD): 2.7 lb x 2.7 lb

Surface Resistivity Ranges: 2K, 20K, 80K ohm/sq (other resistances available by order)

Color: Black

For more information, please call 314-878-9190, fax 314-878-9558, or e-mail [info@marktek-inc.com](mailto:info@marktek-inc.com).

EeonTex™ conductive nonwoven fabric is a product of Eeonix Corp., Pinole, CA 94564. The above information is provided for illustrative purposes only and should not be considered a product specification or a guarantee of fitness for any application.

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