

# CONDUCTIVE NEXUS®

## Carbon Synthetic Veil

1. Low Cost / Easy Processing Static dissipation for FRP Composites
2. Other End Uses
  - Excellent for Spark Testing
  - Grounding an FRP part
  - Static dissipation
  - High Voltage defect (Holiday) detection
  - Resistance heating
  - Detection of mechanical stress while in service
  - Detection of barrier swelling while in service
  - Powder Coating
  - Checking quality of repairs
3. Benefits
  - Excellent wet-out
  - Great cutability
  - Good conformability
  - Zero fuzz and fly
  - Less than 3000 ohms/surface resistivity (ASTM D 257-93).
  - Low cost

### STYLE 451-A0010

TEST	UNIT	AVERAGE
Basis Weight (INDA IST 130.1-92)	oz/yd <sup>2</sup> g/m <sup>2</sup>	1.84 62
Tensile/Elongation Machine Direction (INDA IST 110.1-92)	Lbs / % Kg	36 / 26 16
Cross Direction	Lbs / % Kg	20 / 100 9
Handle-O-Meter Machion Direction 4"x7" Sample-20 mm Gap (INDA IST 90.3-92)	Grams	51
Cross Direction	Grams	13
Thickness (TMI 1" Foot/7 Oz Weight) (INDA 120.1-92)	mills mm	14 0.36
Frazier Air Permeability (INDA IST 70-92)	Ft <sup>3</sup> /min/ft <sup>2</sup> @ .5" H <sup>2</sup> O	407
Crock Abrasion Colorfastness (AATCC 8-1989)	Rating 1 – 5	4.0
Surface Resistivity (ASTM D-257-93)	OHMS per square	2840
Surface Resistance (EOS/ESD S11.11)	OHMS	284

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®Nexus is a registered trademark of Precision Fabrics Group, Inc.

Conductive Nexus® is covered in whole or in part by U.S. Patent Nos. 5,723,186, 5,635,252 and 5,804,291

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