

# Marktek Inc.

Your One-Stop Shop for Conductive, Resistive, & Microwave-Absorptive Materials

## Data Sheet for PC703006020T Polyester-Carbon Nonwoven

**Description:** Wet-laid nonwovens consisting of 65-70% polyester and 25-30% 7- um-diameter carbon fiber staple (1/8 - 1") with 5-10 wt.% of co-polyester binder. (Other binders are available.)

**Part Number** PC703006020T

### Property

Percentage Carbon, %	~30
Thickness, mils:	~8.3 (0.21 mm)
Basis Weight, oz/yd <sup>2</sup> :	0.6 (20 g/m <sup>2</sup> )
Width, inches:	up to 64 (1.62 m)
Surface Resistivity, ohm/sq:	
MD	< 30
XMD	< 45
Breaking/Tensile Strength	
MD, lb/in:	> 3.6 (4.7N/cm)
Air Permeability, ft <sup>3</sup> /min/ft <sup>2</sup> :	NA

**Applications:** static dissipative layers, medical skin electrodes, surface veils for electrical grounding, corrosion resistance, improving surface finish of linings, resistive heating, and radar-absorbing materials (RAM, stealth).

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