

Marktek Inc.

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

Data Sheet for Nickel-coated Carbon Nonwovens NC10004xxxT

Description: Wet-laid nonwoven of chopped Ni/Carbon fiber staple (~50% Ni, 7-8-um diameter, 6 mm length) with 10-20% x-linked polyester binder. Basis weights from 8 g/m² up to 34 g/m².

Part Number

<u>Property</u>	<u>NC10004034T</u>	<u>NC10004011T</u>	<u>NC10004020T</u>
Thickness, mils:	~12.6 (0.32 mm)	~4.3 (0.11 mm)	~7.1 (0.18 mm)
Basis Weight, oz/yd ²	1.0 (34 g/m ²)	0.33 (11 g/m ²)	0.6 (20 g/m ²)
Avg. Surf. Resistivity, ohm/sq over MD&CD*	<1.5	<3.0	<2.0
Shielding Effectiveness @ 1 GHz, dB	55	35	45
Width, inches:	up to 62 (1.57 m)	up to 62 (1.57 m)	up to 62 (1.57 m)
Tensile/Break Strength, min. Machine Direction, lb/in:	15 (40 N/cm)	5.6 (15 N/cm)	9.3 (25 N/cm)

*MD = machine/longitudinal direction, CD = cross-machine/transverse direction

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