

Marktek Inc.

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

Data Sheet for the C100040xxT Series of Carbon Nonwovens

Description: Wet-laid nonwovens consisting of 7-um diameter carbon fiber staple (1/4" & 1/2") with 1-20 wt.% of cross-linked polyester binder. (Other binders available.). Widths can be specified.

Part Number	Basis Wt.		Thickness*		Break Strength, MD		Surface Resistivity
	oz/yd ²	g/m ²	mils	mm	lb/in	N/15 mm	avg. MD&XD, ohm/sq
C10004012T	0.4	12	6	0.15	7	18	7-13
C10004017T	0.5	17	8	0.21	10	25	5-9
C10004020T	0.6	20	10	0.25	11	30	4-7
C10004034T	1.0	34	16	0.42	13	34	3-5
C10004068T	2.0	68	33	0.85	26	68	1-3

*measured at 1.45 lb/in² = 10kPa

N.B. All values above are merely representative and indicative, as actual values may vary.

Applications: EMI/RFI shielding (e.g., compression-molded cases, architectural linings); static dissipation; reflective backplanes; reflective layers in satellite dishes; fuel cells; resistive heating; surface veils for electrical grounding, corrosion resistance, and improving surface finish of linings; and radar-absorbing materials (RAM, stealth).

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