

Multi-Walled Carbon Nanotube Sheet

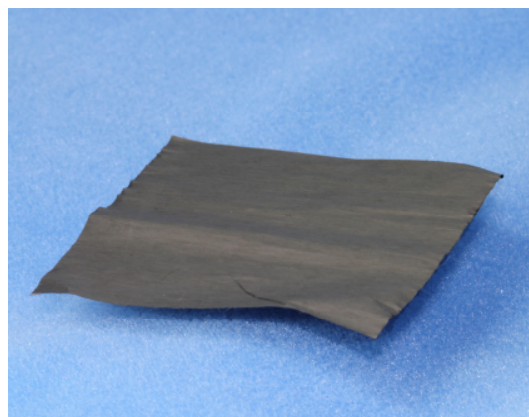
◆ Features

Carbon nanotube sheet is a sheet material consisting of multiwalled nanotubes of about 1 mm in length aligned in one direction; the CNTs are bonded together only by van der Waals forces and no adhesive or other bonding agent is used.

The CNT sheets have good electrical and thermal properties in the aligned direction.

◆ Application

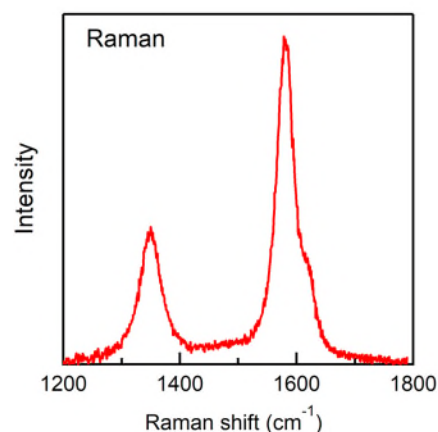
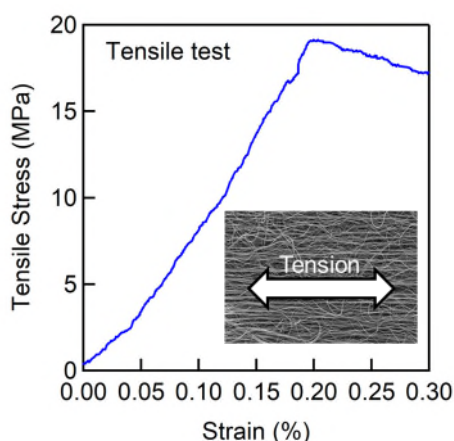
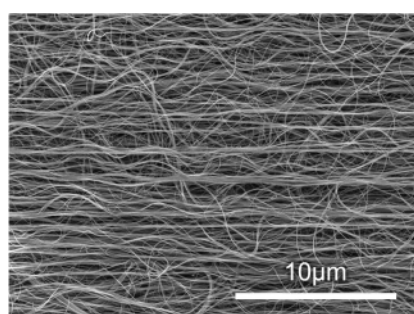
Electrically conductive film / Thermally conductive film / Heating elements / Electromagnetic shielding / Functional resin molded products / Lightweight structural materials, etc.



◆ Specifications

SKU	Sheet size (mm)	Sheet resistance (Ω/\square)		Basic characteristics
		Parallel	Perpendicular	
NTS0505	50 x 50	5 ~ 20 typ.	40 ~ 300 typ.	Anisotropy : yes Sheet thickness : 0.5 ~ 4 (μm) Sheet weight : 0.3 ~ 2 (g/m^2) Porosity : 60 ~ 80 (%) Purity : > 95 (%) CNT diameter : 10 ~ 40 (nm) CNT length : 0.5 ~ 1.5 (mm) Specific surface area : 50 (m^2/g)
NTS1010	100 x 100			
NTS1515	150 x 150			
NTS2020	200 x 200			
NTS2130	210 x 300			

Note : The characteristic values are representative values and do not guarantee the properties.



Hamamatsu Carbonics Corporation

319 Hi-cube, 3-1-7 Wajiyama, Chūō-ku, Hamamatsu 432-8003

TEL +81-53-415-8085 FAX +81-53-415-8095

E-mail : info@hamanics.com

Scan to discover !

