

Under Development

New functional material

# Multi-walled Carbon Nanotubes [TC-2000]



## OVERVIEW

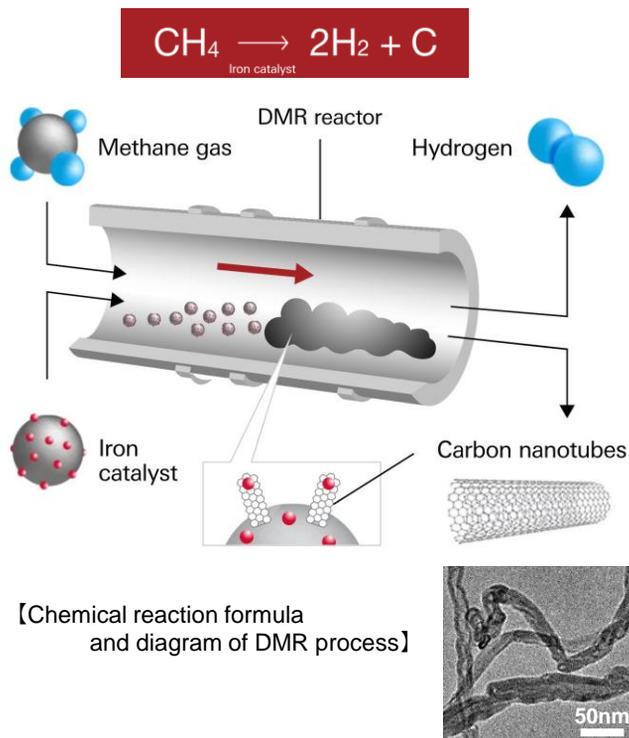
TODA KOGYO focuses to the DMR (Direct Methane Reforming) method producing hydrogen and solid carbon material from hydrocarbon such as methane, and work on developing an efficient production process which produce CNTs by using a high activity iron catalyst. The CNTs have better dispersibility than other companies' products and are expected to become high functional materials.

## FEATURES

TODA KOGYO has developed a process to obtain high added value CNTs using the DMR method.

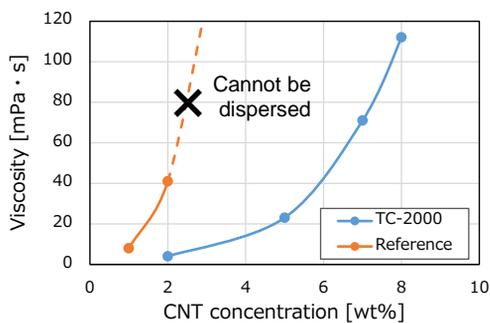
The CNTs have excellent dispersibility.

## CHARACTERISTICS



【Representative physical properties】

Sample name	TC-2000
Type	Tangled
Avg. tube diameter (nm)	16
Length (μm)	1-5
Purity (%)	>91
Bulk density (g/cm <sup>3</sup> )	0.05-0.10
Crystallinity IG/ID	0.9-1.3



【Comparison of dispersibility】

※Because of developing sample, we may refuse to provide sample depending on the purpose of use.

## APPLICATIONS

- Conductive plastic
- Reinforced lightweight plastic
- Conductive auxiliary material for ESS devices
- Electromagnetic wave absorber

TODA KOGYO CORP. TOKYO OFFICE

Shiba Mita Mori Building 6F, 5-13-15 Shiba, Minato-ku, Tokyo 108-0014, Japan

Tel +81-3-5439-6040

E-mail: webmaster@todakogyo.co.jp

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