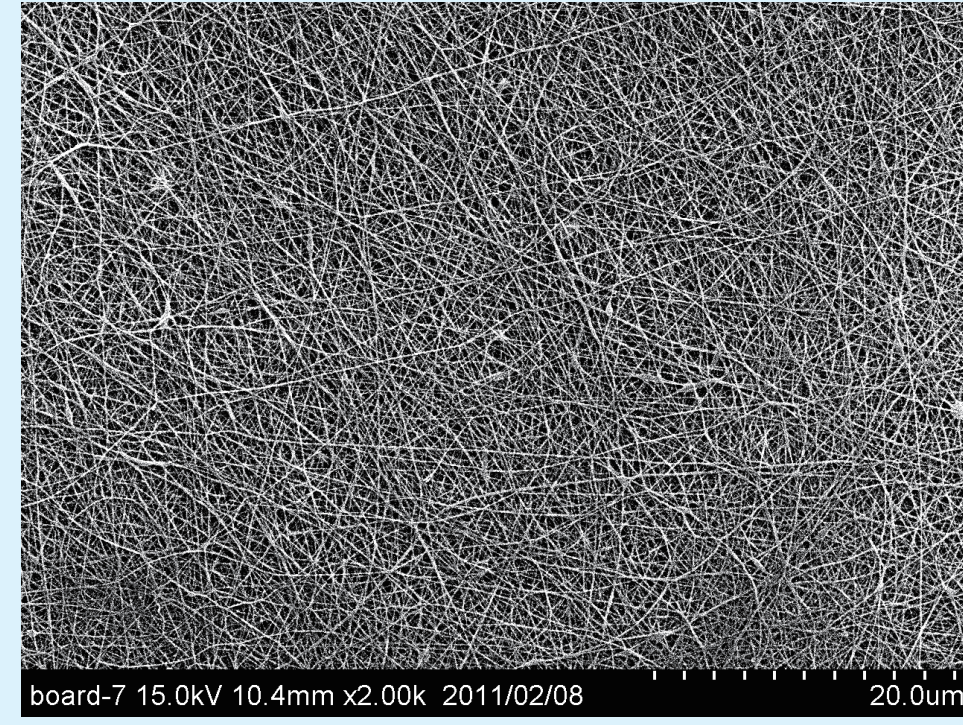
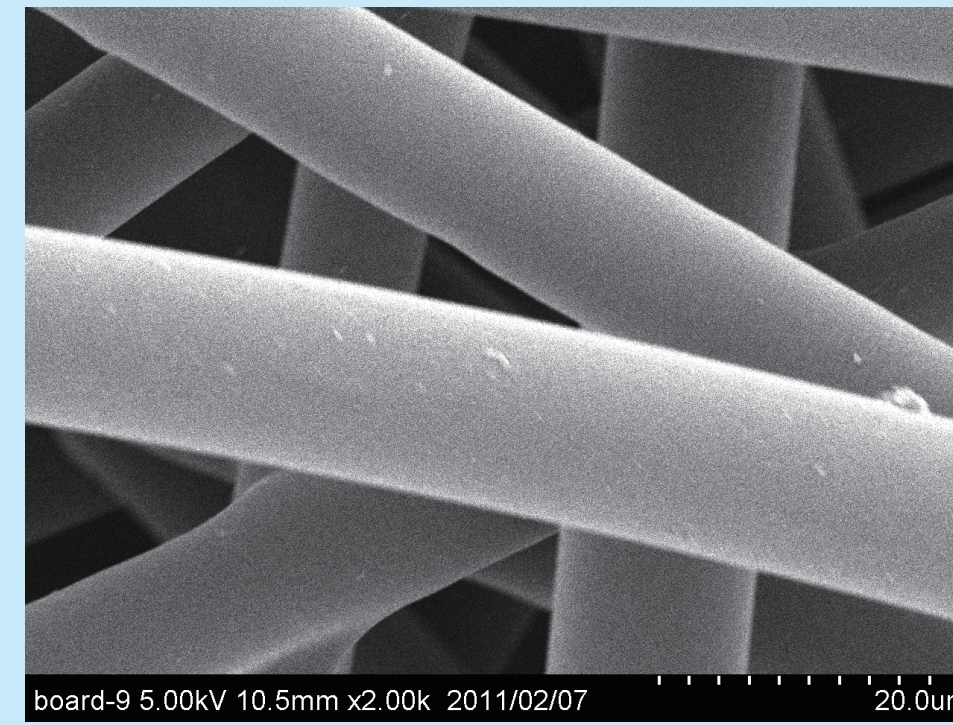


# Fine Fiber from Special Polymer

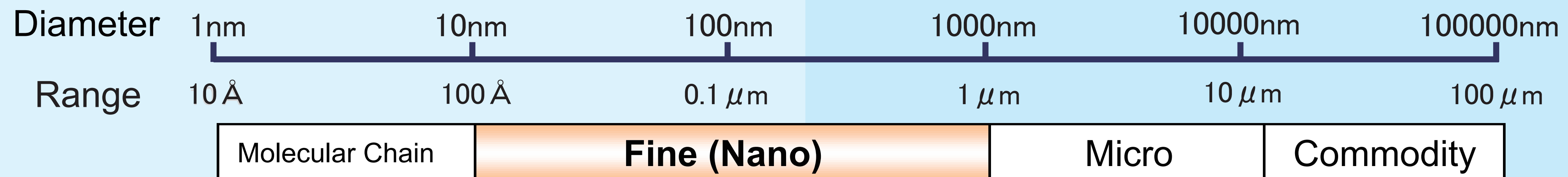
## What is Fine Fiber ?



Diameter 100nm



Diameter 12μm (Standard 2dtex Fiber)



## Characteristics of Kuraray's Fine Fiber Sheet (for Filtration Medium)

**Fine Fiber Sheet**

- ✓ High Trapping Efficiency & Low Resistance (See right data graph)
- <Other's anticipated performance>
- ✓ Super Surface Area
- ✓ Microporous
- ✓ Acoustic
- ✓ Insulation etc---

JIS11(Ave.2.4μ, 50mg/L), 0.035MPa CP Filtration

Material	Max. Filtration Volume (L/m <sup>2</sup> )	Trapping Efficiency (%)
PTFE membrane	~350	~99.8
PA9T Nano Fiber Sheet	~800	~99.8
MB calender	~150	~99.2
Glass	~350	~98.2

**Kuraray's Special Polymer** +

Polymer	Characteristics	Fiber's Diameter
PA9T	Melting Point abt.265°C, Good Chemical Resistance	160~300nm
EVOH	Melting Point abt.170°C, Water resistance & affinity	200~300nm

## Supposed Applications

- ✓ Liquid or Air Filtration
- ✓ Battery Separator
- ✓ Acoustic Material etc---