

Single-Walled Carbon Nanotube Dispersion

- Unique evaluation technology ensures stable production.
- By controlling the distributed energy, makes possible to control the distribution according to the purpose.
- By quantifying the dispersion state (**Pulse NMR/Rheometer**), prepare various high performance CNT dispersions.

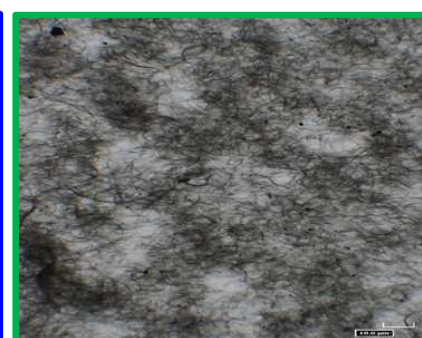
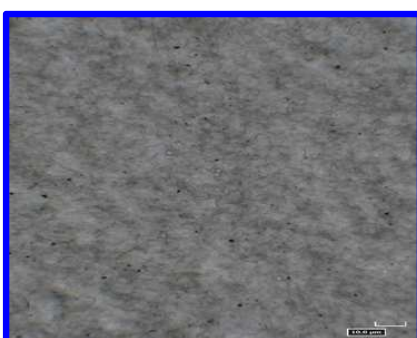
Single-walled Carbon nanotube dispersion control technology Solvent NMP/SW-CNT_0.4wt% homogeneous dispersion

Sample A
(Small Diameter)

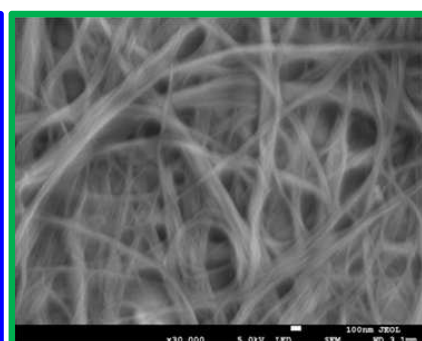
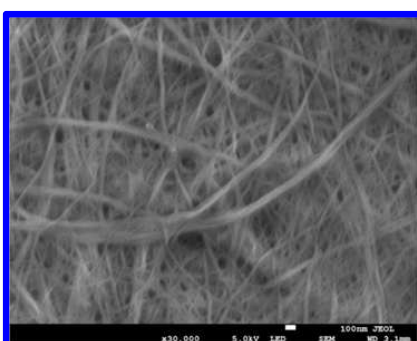
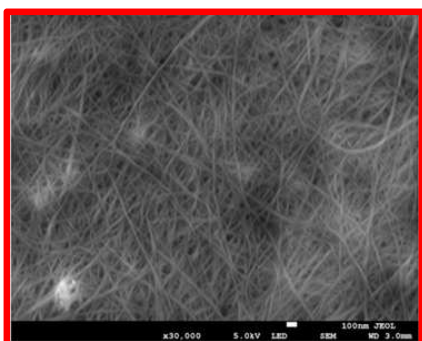
Sample B
(Middle Diameter)

Sample C
(Big Diameter)

■ Optical
microscope
×1000



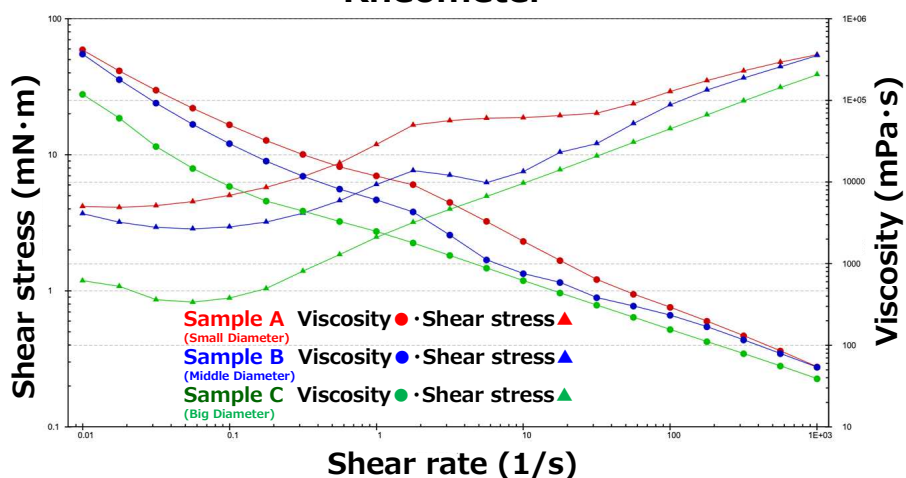
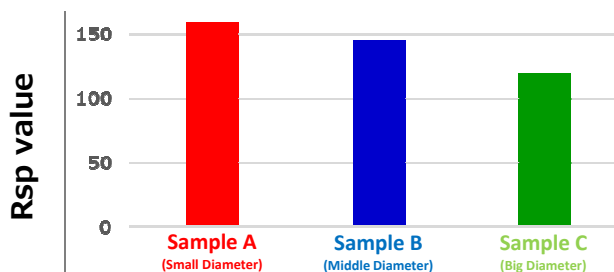
■ SEM
×30000



■ Quantifying the degree of dispersion
Pulse NMR(Rsp value)

■ Quantification of flow characteristics
Rheometer

High Rsp value = good dispersibility



Sunarrow provide dispersion that suit your purpose and application.

(Select dispersant, binder, CNT and solvent)

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