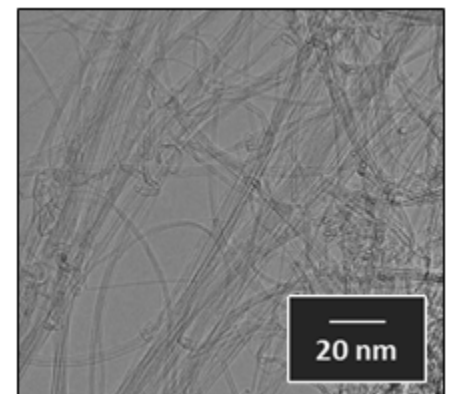
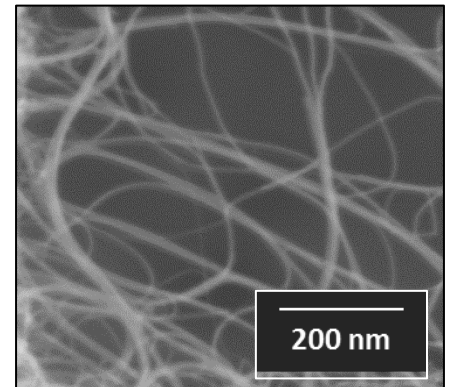


FW100

Few-wall carbon nanotubes

FW100 is engineered to meet the growing demand for a material with the high conductivity, large surface area, and purity of single-wall CNTs, but also with the scalability of multi-wall CNTs. Signis Few-wall CNTs have been specially engineered to contain mostly double-wall and triple-wall CNTs. Applications for Few-wall CNTs currently include advanced battery electrode additives, super/ultracapacitor materials and more. Produced using our patented CoMoCAT™ synthesis process.

Property	FW100	Measurement
Carbon Purity	≥ 95 wt%	TGA
CNT Purity	≥ 94 wt%	TGA
Median Number of Walls	2 to 3	TEM
Median Outer Diameter	2.5 to 3.0 nm	TEM
Median Tube Length	2 to 6 μm	SEM
Bulk Density (Tapped)	0.05 g/cm ³	ASTM D7481
Moisture Content	≤ 5 wt%	TGA
Specific Surface Area	≥ 700 m ² /g	BET
Decomposition Temp.	550°C ±50°C	TGA
G/D Ratio	≥ 10	Raman
Sheet Resistance	≤ 350 Ω/□ @ 0.15g/m ²	Buckypaper



Standard Product Forms: Powder, Wet Cake

Other product forms can be supplied upon request, including Dispersions, Coating Formulations, Inks, Buckypaper, Coated Films, Patterned Films, etc.

Let us help you!

The material scientists and engineers in CHASM's Application Development Center are available to help you determine the product form that is optimal within your application, and provide the guidance to make it scalable and commercially viable.

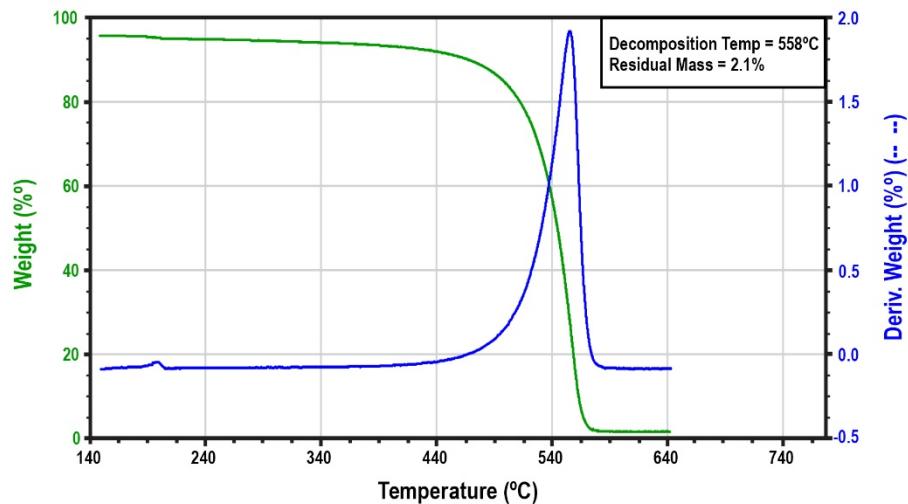


FW100

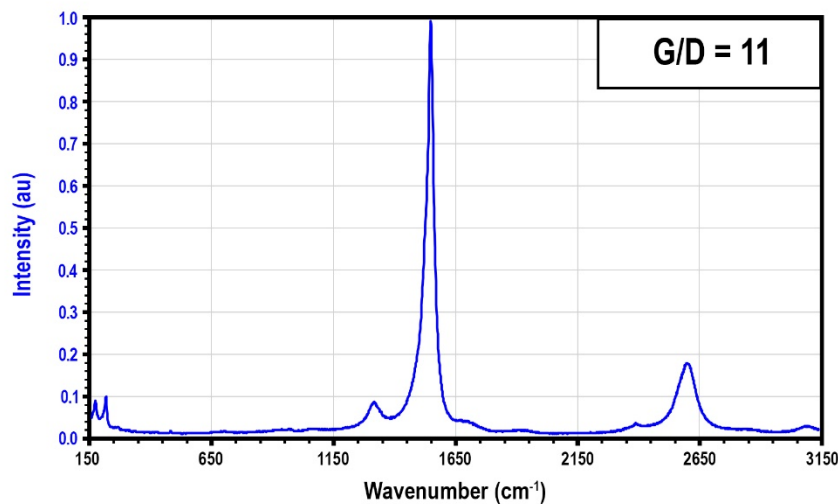


Supporting Data

Thermogravimetric Analysis



Raman Analysis (532 nm)



Applications Engineers are available to provide additional data and technical support to help you integrate Signis CNTs into your application. Email sales@chasmtek to request additional information.

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