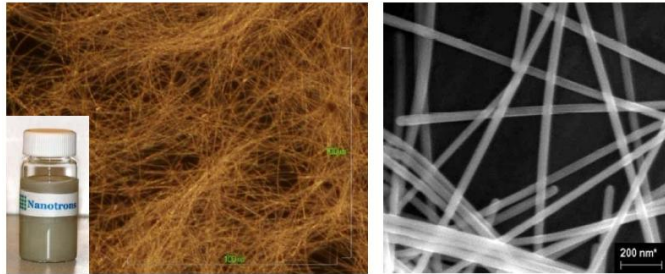


Ultra-Long Silver NanoWires

Advantages

- Ultra-high aspect ratio
- High purity
- Well-dispersed
- High electrical and thermal conductivity
- Passivated
- High ductility and tensile strength



Attributes

Well-dispersed passivated ultra-long Silver NanoWires produced by Nanotrons Corporation combine the high intrinsic electrical and thermal conductivity, ductility, tensile strength and environmental stability of silver with the low concentration percolation benefit of this ultra-high aspect ratio nanomaterial. Silver NanoWires can find great applications for printed inks, adhesives, solar, display, and anti-microbial.

Technical Data

Diameter	40nm±10nm, 80nm±10nm
Length	30-200 microns
Format	Liquid dispersion
Available Dispersing Liquids	IPA Ethanol Water
Typical Concentration	1 wt%, 2 wt%, 5 wt% and higher

Case Study: NW Based Transparent Conductive Coatings

Transparent conductive coatings of these Silver NanoWires have sheet resistance < 10 Ohm/sq and transmission > 85%. Nanotrons works closely with our customers to meet their specific needs. Please contact us to discuss your applications.

Applications

Optical Solar cells electrode and grid Medical imaging Optical limiters Raman spectroscopy Surface plasmons	Anti-microbial Bandages Air & water purification Food preservation Films Sterile equipment Clothing
Conductive High-intensity LEDs Computer boards LCDs Touchscreen displays Conductive adhesives Sensors	Chemical & Thermal Catalysts Pastes Chemical vapor sensors Sensors Polymers Thermal adhesives

Ordering Information

NW-	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	g	100 mg	10 mg	mg
	Diameter	Solvent	Concentration	Solid Weight (≥300mg)			
	40=40nm 80=80nm	I=IPA E=ethanol W=water	1=1wt% 2=2wt% 5=5wt%				