

Product Name: Silver Nanowires

Product Code: MGT-NW-SX

银纳米线

Product Description :

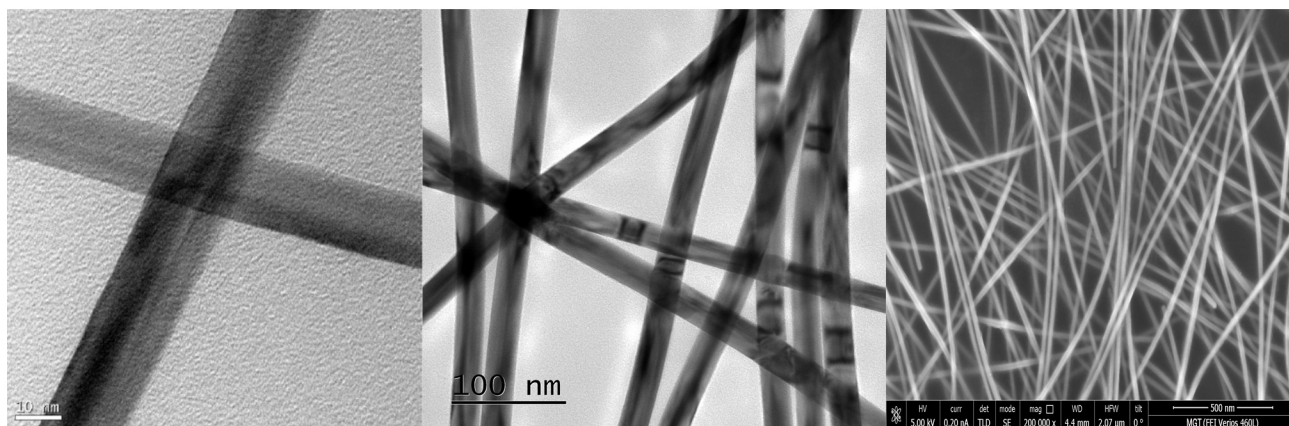
Silver nanowire is a kind of dark gray or light gray powder and can be dispersed in a variety of solvents, such as water, ethanol, and isopropanol to generate colloidal suspensions. The diameters range from tens to several hundred nanometers, and the length can reach tens of microns. Both the diameter and wire length are controllable & customizable. These silver nanowires can be further formulated into a transparent conductive coating solution (or transparent conductive coating ink). the coating of which significantly increases light transmittance and electrical conductivity and reduces haze of PET/Glass base substrates. Silver nanowire is the preferred material to produce flexible transparent conductive film and the best alternative material to replace traditional ITO transparent electrode.

Product Features:

- 1.Higher length–diameter ratio (> 1000)
2. More unique surface treatment
- 3.Superior conductivity
- 4.Improved flexibility
- 5.Better uniformity
- 6.Higher purity

Product Specification :

| Model | Technical Parameters | | | | | | |
|------------|----------------------|---------|------------|--------------------------------|---|------------------------------------|--|
| | Diameter | Length | Appearance | Purity | Solvent | Concentration | Remarks |
| | | | Dark gray | >99.5% (Elemental Analysis) | Water / Ethanol / Isopropanol OR Customized | 5mg/mL 10mg/mL OR Customized | Customized products (The diameter & length are adjustable) |
| MGT-NW-S20 | 20±3nm | 20~25um | | | | | |
| MGT-NW-S25 | 25±3nm | 25~30um | | | | | |
| MGT-NW-S30 | 30±5nm | 25~30um | Light gray | | | | |
| MGT-NW-S40 | 40±5nm | 25~35um | | | | | |
| MGT-NW-S50 | 50±5nm | 25~35um | | | | | |
| MGT-NW-S60 | 60±10nm | 35~40um | | | | | |
| MGT-NW-S70 | 70±10nm | 35~45um | | | | | |
| MGT-NW-S80 | 80±10nm | 35~50um | | | | | |



Applications:

ITO replacements/Transparent electrodes/Flexible displays/OLED displays/High–intensity LEDs/Conductive adhesives/Conductive inks/Conductive paints/Printed electronics/Thin–film solar/Organic Photovoltaics etc.

Storage: sealed light–proof storage under 5~35℃