

## Technical data

Categories No: TNTiN

Name: Titanium nitride

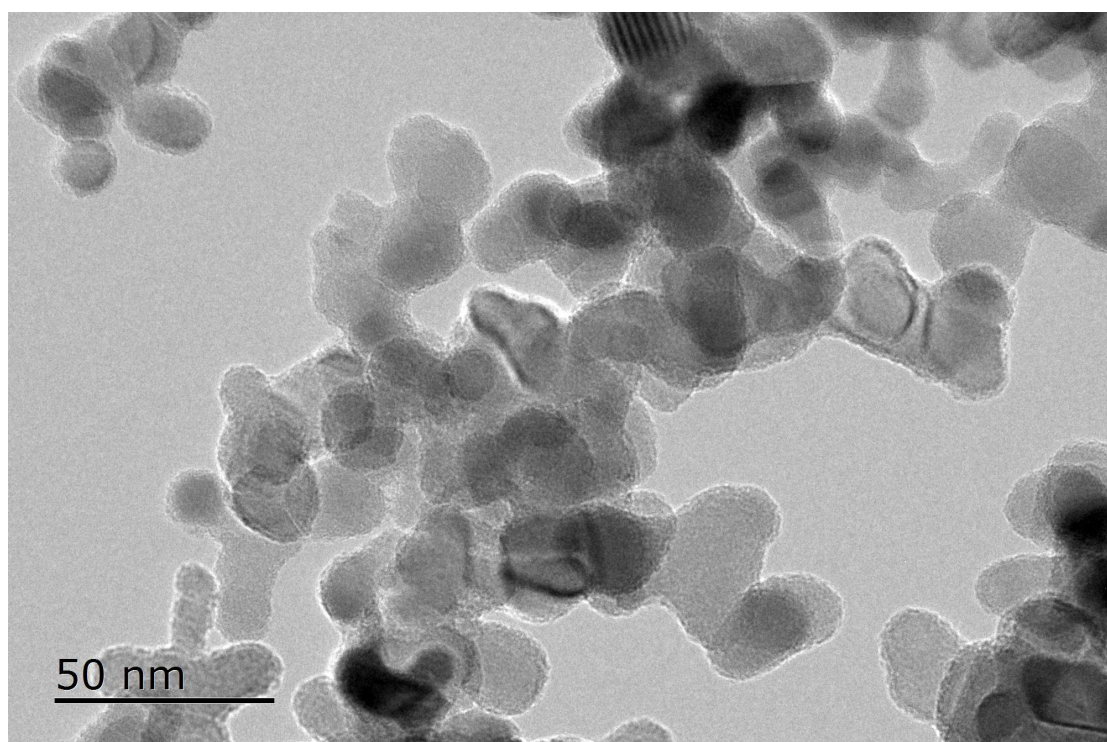
Purity: >97%

Average particle size: 20nm

SSA: >45m<sup>2</sup>/g [SSA=Special Surface Area]

Color: Black

## Testing pictures



Transmission Electron Microscopy (TEM)

## **Application instruction**

Potential Applications of Carbon Nanotubes  
Additives in polymers  
Catalysts  
Electron field emitters for cathode ray lighting elements  
flat panel display  
gas-discharge tubes in telecom networks  
Electromagnetic-wave absorption and shielding  
Energy conversion  
Lithium-battery anodes  
Hydrogen storage  
Nanotube composites (by filling or coating);  
Nanoprobes for STM, AFM, and EFM tips  
nanolithography  
nanoelectrodes  
drug delivery  
sensors  
Reinforcements in composites  
Supercapacitor