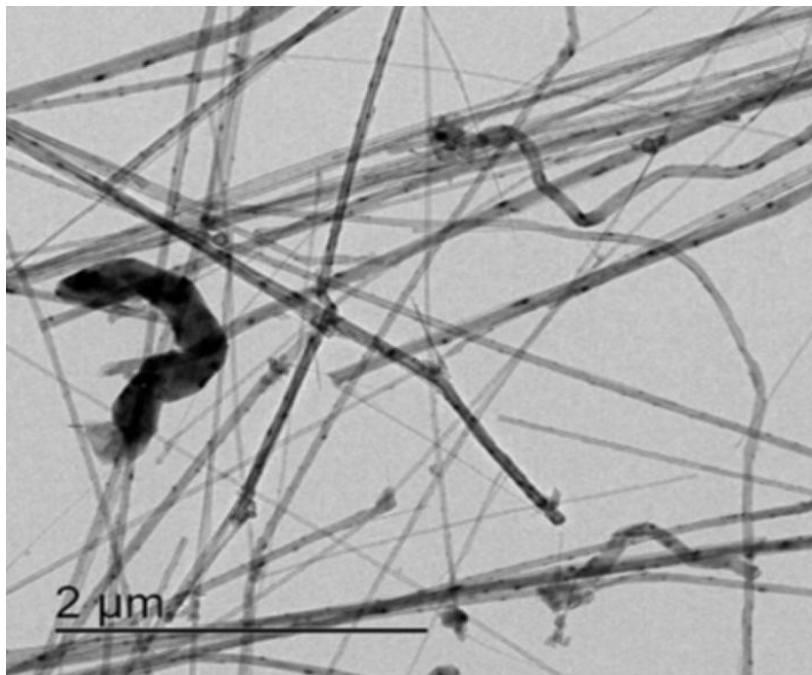


高纯多壁氮化硼纳米管粉末

(JCBNT-90-50-20) Boron Nitride Nanotubes

Purity	>95Wt.%
Boron Nitride Nanotubes content	>90Wt.%
Wall count	1~3
B content	~39.9Wt.% or 46.5At.%
N content	~56.5Wt.% or 50.8At.%
O content	~3.4Wt.% or 2.7At.%
Mg content	~0.1Wt.% or 0.1At.%
Diameter	~50nm
Length	~20um
Thermal Stability	>900° C
BNNT Crystallites	a=60 nm , c=80 nm
Appearance	White Powder
Electrical Property	Insulator (Band Gap ~5.5eV)
Thermal Stability	Stable up to > 1,000 oC in air
Thermal Neutron Absorption (b = 10-24 m2)	B ~760b / N ~1.9b

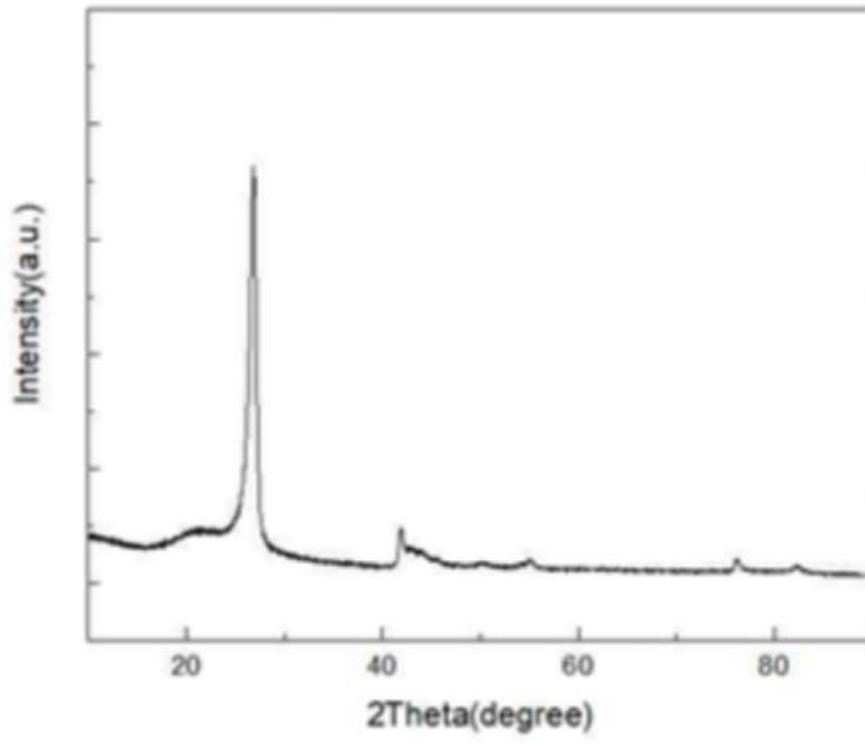
Thermal Conductivity	~3,000 W/mK (in calculation)
Mechanical Property (Young' s Modulus)	~1.18 TPa
Coefficient of Thermal Expansion	~1 x 10 ⁻⁶



TEM 电镜图



SEM 电镜图



XRD 检测