

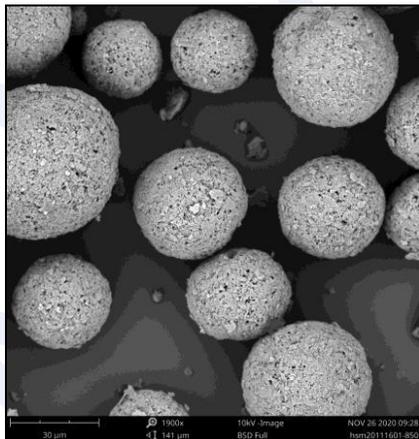
Bnitril N-10G

Product Name: Microspherical Boron Nitride

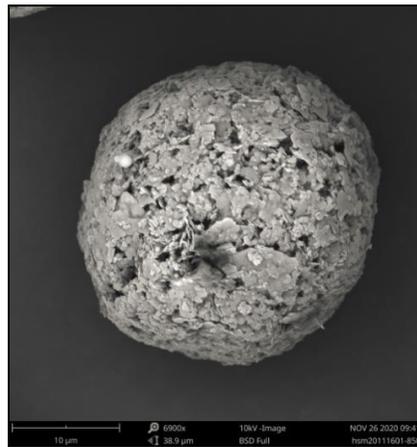
Microspherical boron nitride, it is made from several kinds of hexagonal boron nitride with different particle sizes that were selected and mixed in a certain proportion. With compact ball filling and high spheroidization rate, its thermal conductivity is good and doubled, for the radial heat conduction of original layer is changed into isotropic heat conduction of spherical 360-degree. Compared with hexagonal boron nitride with high oil absorption, it has significantly reduced oil absorption due to the reduction of specific surface area, which greatly increases the addition amount of microspherical boron nitride in the resin system, improving the thermal conductivity.

Product Parameters:

Appearance:	White Particles
Shape:	Sphere
Average particle size D50 (um):	30.00
Tap density (g/cm ³):	0.30
Loss on drying (%):	≤0.20
Specific surface area (m ² /g) :	< 4.00



SEM Image 1



SEM Image 2

Product Features and Applications:

Features:

- 1) High thermal conductivity, low dielectric constant.
- 2) High filling ratio, low specific surface area.
- 3) High temperature resistance, stable physical and chemical properties.
- 4) Low density, optimization of lightweight products.
- 5) Low hardness, good machinability.

Applications:

It is mainly used in heat conductive products like aluminum-based copper clad laminate, adhesive, pad, coating, rubber and engineering plastics.

Storage Information:

Manufacture area:	China
Packaging:	15 kg/ barrel
Storage:	Sealed and stored in a cool and dry place away from light
Shelf life:	36 months

Date: 2021/7/23