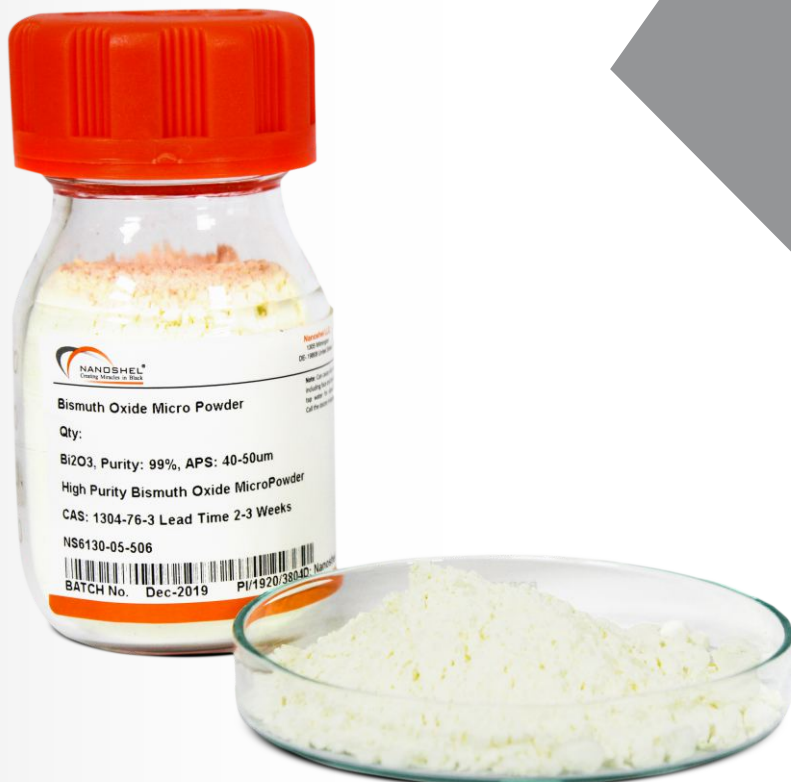


Bismuth Trioxide Powder



NS6130-05-506

APS
40-50μm



Follow us:



| www.nanoshel.com | sales@nanoshel.com

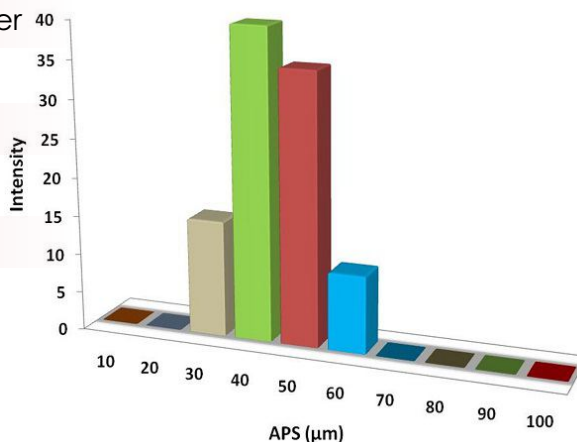
Bismuth Trioxide Powder

Bismuth (III) oxide is the most industrially indispensable compound of bismuth. Bismuth trioxide is commonly utilized to produce the "Dragon's eggs" effect in fireworks. Bi_2O_3 as it is principally an ionic conductor and in addition to electrical properties, thermal expansion properties are very important when considering possible applications for solid electrolytes.

Bismuth (III) oxide has also been utilized as a sintering additive in the Sc_2O_3 -doped zirconia system for intermediate temperature SOFC. Bismuth oxide acquired great attention since they are used in the wide area of applications such as in glass technology. The fabricated glasses are characterized by a high dielectric constant, high density, high refractive index, and extended transmission in mid-IR, etc.

Quick Facts

Product	:	Bismuth Trioxide Powder
Stock No	:	NS6130-05-506
CAS	:	1304-76-3
Purity	:	99%
Color	:	Bright Yellow Powder
Form	:	Powder



Technical Specification

Formula	APS	Boiling Point	Melting Point
Bi_2O_3	40-50μm	1890 °C	817° C

Chemical Composition

Product	Weight Percent (nominal)
Bismuth Trioxide Powder	Bi_2O_3 99%

Applications

- Optical glass
- Flame-retardant paper
- In glaze formulations

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 1782 454 144, +44 74 105 48802

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911

ISO 9001:2015
CERTIFIED COMPANY



20ZICE4589C



19ZAZGO1274G



20ZICE4588M