

TRÈS BN[®]

Boron Nitride Cosmetic Powders PUHP1106

TRÈS BN grade PUHP1106 is an ultra-high purity boron nitride powder that is surface treated with dimethicone, a hydrophobic silicone. This surface treated boron nitride powder is hydrophobic and an ideal additive for two-way compacts, concealers, foundations, skincare, lipstick and more.

INCI Designations: Boron Nitride
Dimethicone

Features and Benefits

- ❑ Hexagonal crystal structure provides parallel planes over which platelets slide, creating a smooth and silky feel
- ❑ Provides slip and payoff not obtainable with standard materials such as talc, mica, and bismuthoxychloride
- ❑ Particles carry a static charge and increase the adherence and coverage properties of cosmetics with additions of the powder between 3% and 30%
- ❑ Lubricating nature of platelets aids in compaction, transfer and removal of the final cosmetic product reducing the need for compacting additives such as stearates



Technical Data Sheet



TRÈS BN Cosmetic Powders can be used to improve all types of color cosmetics and skin care formulations:

- ✓ Foundation, liquid-make-up
- ✓ Concealers
- ✓ Cream to Powder
- ✓ Pressed Powder
- ✓ Loose Powder
- ✓ Lipstick
- ✓ Pencils
- ✓ Nail Enamel
- ✓ Skin Care
- ✓ Personal Care

Typical Properties, PUHP1106	Value
Boron Nitride	97%
Dimethylhydrogen Siloxane	2.0 – 4.0 %
*Oxygen	<0.3 %
*B ₂ O ₃	<0.02 %
*Hg	< 1 PPM
*As	< 1 PPM
*Pb	< 1 PPM
*Tap Density	0.2 – 0.5 g/cc
*Particle Size (D50)	6 microns
*Max. Particle Size (-400 mesh)	99.9 %

*Tested prior to Dimethicone surface treatment.

Storage Recommendations

TRES BN powders are expressly manufactured for cosmetic use. The proprietary methods used in their manufacture ensure final powders that are of the highest purity. When stored with a desiccant in cool, humidity controlled conditions, TRES BN powders will remain fresh up to 24 months after date of shipment.

Saint-Gobain Advanced Ceramics

Boron Nitride Products

168 Creekside Drive
Amherst, NY 14228-2027
Tel: (716) 691-2052
Fax: (716) 691-2090
Email: BNSales@saint-gobain.com

www.TRESBN.com

The information, recommendations and opinions set forth herein are offered solely for your consideration, inquiry and verification and are not, in part or total, to be construed as constituting a warranty or representation for which we assume legal responsibility. Nothing contained herein is to be interpreted as authorization to practice a patented invention without a license.


SAINT-GOBAIN
CERAMICS