

# TRÈS BN®

## Boron Nitride Cosmetic Powders PUHP500



TRÈS BN grade PUHP500 is a premium cosmetic grade offered by Saint-Gobain Advanced Ceramics. Often described as the ultimate in slip and softness PUHP500 offers the cosmetic formulator the ability to create smooth cosmetic formulations with excellent spreadability, texture, payoff and adherence. PUHP500 is characterized by an ultra-finely divided particle size distribution centered around 6 microns and has a subtle gloss finish. It is ideal and widely used in many types of color cosmetic and skin care formulations from liquid make-up, pressed powders, anti-ageing creams and more.

**INCI Designation:** Boron Nitride

### 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

### “Typical” Analysis

BN	> 99.5 %
B <sub>2</sub> O <sub>3</sub>	< 0.1 %
O <sub>2</sub>	< 0.5 %
Metals (Hg, As, Pb)	< 1 PPM

Particle Size (D50)	6 µm
Surface Area	8 m <sup>2</sup> / gram
Appearance	White, odorless powder
Crystal Structure	Hexagonal

### Storage Recommendations

TRÈS BN Cosmetic 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, TRÈS BN Cosmetic Powders will remain fresh 2 years from date of manufacture.

## Product 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

### Saint-Gobain Advanced Ceramics

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