

TRÈS BN[®]

Boron Nitride Cosmetic Powders PUHP3002

TRÈS BN grade PUHP3002 offers the cosmetic formulator the ability to create smooth cosmetic formulations with excellent adherence and a variety of optical results depending on the concentration of the powder and degree of dispersion (from opaque to sheer). It is ideal in many types of color cosmetic and skin care formulations.

PUHP3002 has all the same benefits of other TRÈS BN grades such as high purity, excellent adherence and soft feel.

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
- ❑ PUHP3002 is characterized by boron nitride crystals that are easy to disperse and aid spreadability of other ingredients for a beautiful opaque or sheer application

Typical Chemical Analysis

BN	> 98 %
B ₂ O ₃	< 0.1
O ₂	< 1.5 %
Metals (Hg, As, Pb)	< 1 PPM

Typical Physical Properties

Particle Size (D50)	2 um
Surface Area	15 m ² / gram
Appearance	White, odorless powder
Crystal Structure	Hexagonal

Storage Recommendations

TRÈS 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, TRÈS BN powders will remain fresh up to 24 months after date of shipment.



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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