

TRÈS BN[®]

Boron Nitride Cosmetic Powders PUHP3050

TRÈS BN grade PUHP3050 offers the cosmetic formulator translucence and shimmer for ultra sheer, smooth and illuminating cosmetic formulations. It is ideal in pressed and loose powders although not limited to these types. PUHP3050 has all the same benefits of other TRÈS BN grades such as high purity, excellent adherence and soft feel and is specifically designed for sheer cosmetics with subtle sparkle and luminosity.

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
- ❑ PUHP3050 is characterized by boron nitride crystals that are easy to disperse and aid spreadability of other ingredients

Typical Chemical Analysis

BN	> 99 %
B ₂ O ₃	< 0.1 %
O ₂	< 0.5%
Metals (Hg, As, Pb)	< 1 ppm

Typical Physical Properties

Particle Size (D50)	50 um
Surface Area	0.5 m ² / gram
Appearance	White, odorless powder Single platelets optically transparent through basal plane
Crystal Structure	Hexagonal
Density	2.26 g/cc
Refractive index	1.74

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.

Technical Data Sheet



TRÈS BN Cosmetic Powder PUHP3050 can be used to improve all types of color cosmetics and skin care formulations:

- ✓ Pressed Powder
- ✓ Loose Powder
- ✓ Lipstick
- ✓ Pencils
- ✓ Nail Enamel
- ✓ Skin Care
- ✓ Personal Care

Saint-Gobain Advanced Ceramics Boron Nitride Products

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