

CARESS[®] Boron Nitride

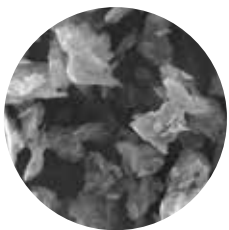


CARESS[®] BN is a line of cosmetic Boron Nitride (BN) manufactured in ISO 9001 certified facilities matching the international requirements of the personal care industry. These BN powders are manufactured with premium technology resulting in high purity and quality products. The synthetic nature of these products minimizes the level of impurities in particular heavy metals.

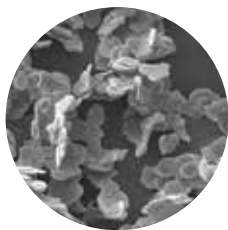
CARESS[®] BN powders offer unique properties in comparison to other fillers and texturizers (such as Mica,

PMMA, Bismuth Oxychloride, Talc and Nylon 12) in the areas of spreadability, skin adherence, degree of skin coverage, softness, and payoff.

The **CARESS[®] BN** series is available in a broad range of particle sizes contributing to diverse optical appearance (from opaque to translucent), tactility, softness and excellent skin adherence. They provide cosmetic formulations with a very soft and silky touch, and appearance from matte to shiny.



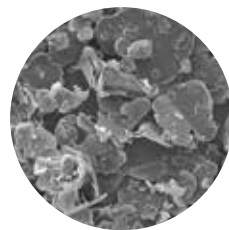
CARESS[®] BN02



CARESS[®] BN06



CARESS[®] BN18



CARESS[®] BN30

CARESS[®] BN powder properties:

- Superior softness and tactility
- Superb spreadability
- Excellent adherence
- Good coverage
- Long lasting effect
- High oil absorption
- Soft focus effect especially smaller particle size grades

BN is excellent for enhanced feel in pressed powders and the product offers improved compressibility. BN will also give a creamy texture to eyeshadow. When used in lipsticks, BN helps to reduce tack and improve wear while offering lubricating properties which help to improve the mold release of the stick.

All **CARESS[®]** Boron Nitride products are available with various hydrophobic surface treatments, including Isopropyl Titanium Triisostearate (ITT) and Triethoxycaprylylsilane (11S). Surface treatments are excellent for enhancing flow, dispersion, wear and appearance.

Recommended Applications

- Emulsions
- Anhydrous Gels
- Hot Pours
- Pressed/Loose Powders

Product	Mean Crystal/ Particle Size (µm)	Specific Surface Area (m ² /g)	Oil Absorbion* (g/100g)	Appearance
CARESS [®] BN02	2	15	96	Very white/high hiding powder
CARESS [®] BN06	6	10	110	Opaque
CARESS [®] BN09	9	10	97	Opaque
CARESS [®] BN12	12	2	88	Translucent
CARESS [®] BN15	15	1.5	90	Translucent
CARESS [®] BN18	18	1.3	76	Shiny
CARESS [®] BN30	30	1	80	Sparkling

*Oil Abs: ASTM, D281-84

KOBO

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KPP-106A

Talc-Free Pressed Powder

Part 1

● SERICITE GMS-4C - Kobo Products: <i>Mica</i>	45.68%
● CARESS® BN09 - Bent Tree/Kobo Products: <i>Boron Nitride</i>	10.00%
● KoboMica S-25 - Kobo Products: <i>Mica</i>	10.00%
● MSS-500/20N - Kobo Products: <i>Silica</i>	10.00%
● BTD-11S2 - Kobo Products: <i>Titanium Dioxide (And) Triethoxycaprylylsilane</i>	7.00%
● MAGNESIUM MYRISTATE - Kobo Products: <i>Magnesium Myristate</i>	5.00%
● BYO-11S2 - Kobo Products: <i>Iron Oxides (CI 77492) (And) Triethoxycaprylylsilane</i>	1.00%
● ImerCare® 08K(S) - Imerys: <i>Kaolin</i>	1.00%
● BRO-11S2 - Kobo Products: <i>Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane</i>	0.86%
● BBO-11S2 - Kobo Products: <i>Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane</i>	0.46%

Part 2

● Squalane NF - Charkit Chemical Corp: <i>Squalane</i>	3.33%
● Protachem™ CTG - Protameen: <i>Caprylic/Capric Triglyceride</i>	2.84%
● Glycerin U.S.P. F.C.C. 96% - Ruger Chemical: <i>Glycerin</i>	2.33%
● Lexgard® O - Inolex: <i>Caprylyl Glycol</i>	0.50%

Manufacturing Procedure

1. Add Part 1 and micropulverize until color is fully developed.
2. Sift Part 1 through small mesh sieve and add back to blender.
3. In a side beaker, Add Part 2 and mix until uniform.
4. Slowly add Part 2 and blend until fully uniform.
5. Sift using larger sieve.
6. Press at 600psi.

Description

This pressed powder has great pressability and coverage, and is formulated without Talc. It features both Sericite GMS-4C and KoboMica S-25 to give the formula a smooth, soft feel and a little bit of sheen on the skin. 11S Treated pigments add to the nice, smooth feel of the powder when applied. Microsphere, MSS-500/20N, adds soft focus to the formula and contributes to the feel. CARESS® BN09, Boron Nitride, gives superior softness and tactility, superb spreadability, excellent adherence, long lasting effect, and good coverage. MAGNESIUM MYRISTATE is a dry binder that helps with compressibility.