



ECOFIL

Natural fillers for cosmetic and
skin care applications



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ECOFIL is ECKART's new brand for natural cosmetic fillers. It aims at solving the needs for effective natural ingredients for cosmetics. The products featured under this brand support the development of natural cosmetics while addressing other sustainability issues, like for example microplastics or biodegradability.

ECOFIL B110

INCI

Hydroxybutyric acid / Hydroxypentanoic acid copolymer

Usage

No special handling instructions are required to work with ECOFIL B110. Detailed information on recommended usage levels, as well as guidance formulations can be provided upon request.

Shelf Life

24 months

Packaging

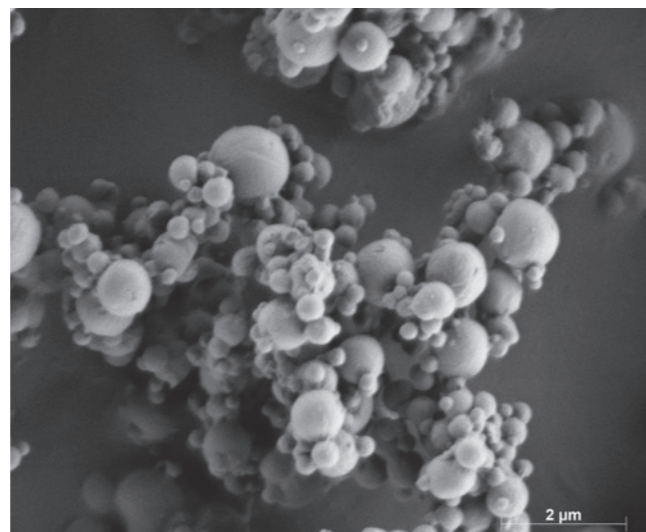
5 kg, 20 kg

Samples

50g

Supply Form

Free flowing white powder



SEM-Picture of ECOFIL B110, 10 x magnification.

ECOFIL B110

Natural biodegradable filler for cosmetic and skin care applications

ECOFIL B110 is a natural micronized biodegradable polymer filler. It is obtained from renewable sources, namely a naturally fermented, non genetically modified corn. This natural filler consists of micronized spherical wax particles and is suitable for color cosmetic and personal care applications. As it is biodegradable, it doesn't leave any longlasting microplastic residues after wash off or disposal.

Characteristics

ECOFIL B110 is characterized by a very white color, tight particle size distribution between 1 and 10 µm and particular light reflection properties.

Additionally, thanks to its very white color, it enables very white and clean looking formulations without need of additional whiteners.

Due to its total transmittance and haze properties, ECOFIL B110 has good soft focus potential, which helps to reduce skin imperfections, like freckles or small wrinkles, and to boost a healthy and natural skin appearance: an ideal property for skin care products.

Furthermore thanks to its particle shape, ECOFIL B110 can be used as a mattifier or to fine tune subtle properties of formulations, like application behavior, skin feel or hiding optical imperfections on the skin.

Benefits at a glance:

Characteristic	Your Benefit
Biodegradable filler	No microplastic issue
Very white color	Enables clean looking formulations
Spherical wax particles	Pleasant skin feel and good spreadability
Soft Focus potential	Minimizes skin imperfections: immediate anti-aging effect, boosts natural and healthy skin appearance
Homogeneous mattifying effect	ideal for nail polishes, etc.
Easy to disperse	fast development and cost control in production

For more detailed information please contact our technical service department at TechnicalServiceCosmetics.ECKART@Altana.com.



ECKART GmbH
Guentersthal 4
91235 Hartenstein, Germany
Tel +49 9152 77-0
Fax +49 9152 77-7008
info.eckart@altana.com
www.eckart.net

With compliments

ECKART America Corporation
830 East Erie Street
Painesville, Ohio 44077, USA
Tel +1440 954-7600
Fax +1440 354-6224
Toll-free: 800-556-1111
info.eckart.america.oh@altana.com
www.eckart.net

ECKART Asia Ltd.
Unit 3706-08, 37/F, Sunlight Tower
248 Queen's Road East, Wan Chai
Hong Kong
Tel +852 3102 7200
Fax +852 2882 5366
info.eckart.asia@altana.com
www.eckart.net

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