



# Bioplastics for cosmetic packaging

Simply beautiful by nature

**FKUR**

*plastics - made by nature!*<sup>®</sup>



## Simply beautiful by nature

Perfect packaging is a harmonious union of appearance, material and message. Additional aspects such as sustainability, waste prevention and recyclability are increasingly influencing the choice of consumers and manufacturers. At FKUR, we are convinced that sustainability requires a holistic approach. That's why, with nature as our guide and our passion for plastics, we have developed a unique range of bioplastics and recyclable resins.

Take advantage of this opportunity and choose from our comprehensive portfolio of biobased, biodegradable or recycled plastics and develop sustainable and individual packaging solutions tailored to your needs. In this way, you not only effectively reduce the environmental impact of your packaging, but also emphasize its naturalness and authenticity.

Let's start a new project together!





## Bioplastics & recyclates for bottles

Biobased and recyclable plastic alternatives, such as Green PE (Bio-PE), Bio-PET or our customized Terralene® compounds are ideal to produce bottles with screw caps, pump dispensers or hinged closures. Those bioplastic bottles are particularly robust, resistant to chemicals, can be easily colored, are food-safe and 100% recyclable. In addition the use of renewable materials conserves fossil resources helping to avoid harmful greenhouse gases.

With Terralene® PP, we also offer you the possibility of producing biobased packaging with classic polypropylene properties.

Under certain circumstances, the use of a biobased and biodegradable Bio-Flex® granulate may also be appropriate.



## Tubes made from renewable resources

Cosmetic tubes made from biobased Green PE (Bio-PE) or Terralene® combine sustainability and recyclability with shelf appeal. The grades combine the required mechanical and barrier properties with appropriate ingredient resistance. A good printability ensures high attractiveness even without secondary packaging.

To avoid wrinkling or stress whitening even after repeated use, plastics for the production of tubes must be particularly elastic. However, a certain degree of rigidity is required to ensure the dimensional stability of the packaging. With our customized Terralene® granules, we have succeeded in achieving an optimum combination of the desired properties. Additionally tubes made from these biobased drop-in plastics are 100% recyclable at the end of their service life.



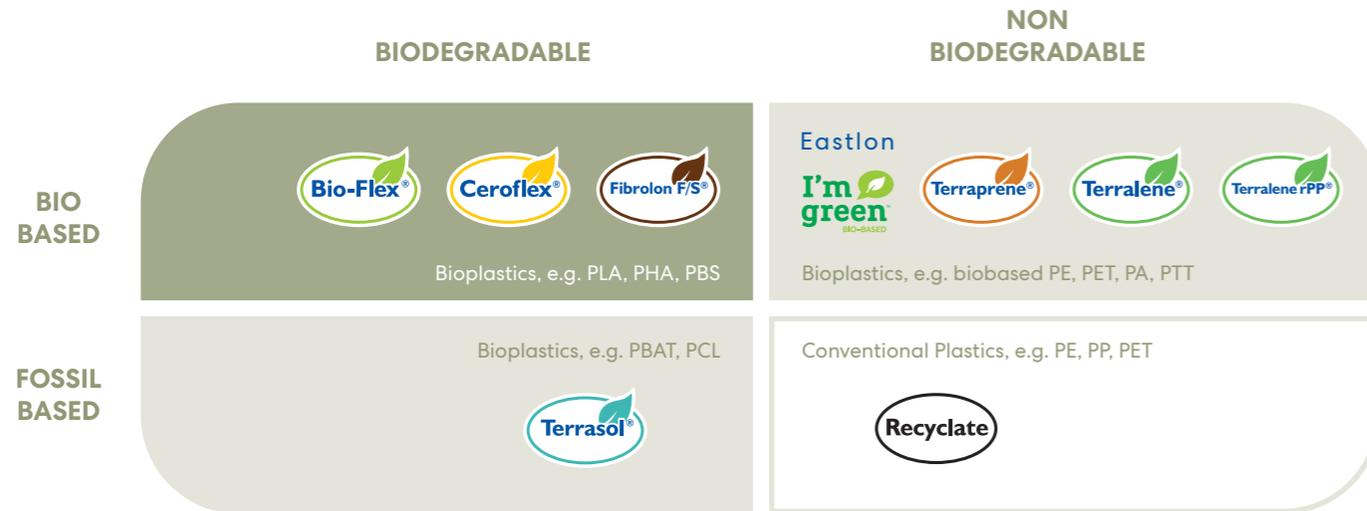
## Naturally well packaged with bioplastics and recyclates for jars and boxes

Whether screw-top cans or jars: with our biobased and recyclable Terralene® compounds, our biodegradable Bio-Flex® resins or biobased Green PE, we supply the right bioplastic for every form of cosmetics packaging. Depending on the grade, Terralene® and Bio-Flex® surprise with their special feel or look and offer cosmetics brands a tangibly innovative packaging concept.

### for decorative cosmetics and accessories

Plastics based on renewable raw materials give accessories and decorative cosmetics that special something. Depending on the granulate chosen, consumers will immediately be able to tell the difference in terms of feel and value.

# Our bioplastics for your product



The word “bioplastics” does not refer to a single material, but to a whole family of different plastics that are distinguished by their raw material base and properties. Raw materials are defined as a bioplastic if they are either biobased or biodegra-

dable, or have both properties. As the Bioplastic Specialist we offer a versatile range of bioplastics and circular resins designed for a great variety of processes and applications.

## FKuR The Bioplastic Specialist

Our team works passionately every day to make the world a little better. Our customers are always the focus of our 360° service approach. We know the right turn to more circular economy and offer an unbeatable range of different bioplastics and circular grades. Our customers benefit from our decades of global and cross-industry expertise in the development, production and distribution of renewable raw materials. Successful products start with great ideas – get in touch with us!



Brand	Biobased Content BCC [%]	Bottles	Tubes	Jars	Accessories
Bio-Flex®*	60 – 85	✓	✓	✓	✓✓
Fibrolon®	30 – 75			✓✓	✓✓
Terralene®	50 – 95	✓✓	✓✓	✓✓	✓✓
Terralene® PP & rPP	30 – 33	✓✓	✓✓	✓✓	✓✓
Terraprene®	40 – 90			✓	✓✓
Green PE	84 – 96	✓✓	✓✓	✓✓	✓✓
Eastlon	20	✓✓			✓✓

✓✓ suitable | ✓ suitable with restrictions | \* Bio-Flex® F 6, F 9 and S series

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Get in touch with us to  
find the perfect solution  
for your application.

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