

Terralene® rPP

Unique combination of biobased and recycled plastics

Terralene® rPP compounds are a major innovation as they combine the advantages of both bioplastics and recycled plastics. Depending on the application, a high-quality post-consumer recycled PP (PCR) or post-industrial recycled PP (PIR) is used along with a biobased plastic in the compound.

As a result, Terralene® rPP grades are able to contribute to a circular economy in a significant way. Using plastics based on renewable resources saves fossil resources and thus contributes to a reduction of greenhouse gas emissions. Reusing plastics keeps this valuable material in the loop and is an additional step in making plastic products more sustainable. At the end of their life these products can be recycled in existing recycling systems.

The processing conditions and mechanical properties are similar to standard Terralene® PP and virgin oil-based PP materials. Terralene® rPP resins are a direct drop-in solution, which demonstrate both high impact strength and toughness.

Advantages of Terralene® rPP at a glance:

- Biobased content of up to 33 %
- Terralene® PP with valuable post-consumer recycled PP (PCR) or post-industrial recycled PP (PIR)
- Contribution to the sustained conservation of precious resources
- Possible to process material on existing PP tools
- Mechanical properties comparable to Terralene® PP or conventional virgin PP
- For technical parts or applications without food contact
- Innovative material which stays ahead of the competition

Terralene



FKuR – The Bioplastic Specialist

We are happy to assist you in selecting the bioplastic that will best meet your requirements or provide you with a tailor-made formulation. As a full service provider, FKuR will give you all the necessary technical support to enable you to process your products optimally. We will be pleased to give you marketing advice on how to complement your marketing message in order to successfully position your product on the market.

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

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