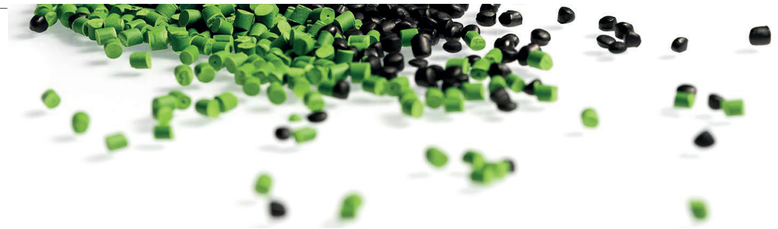

Circular Economy Solutions

Combine a colorful brand experience with recyclates

QolorTech

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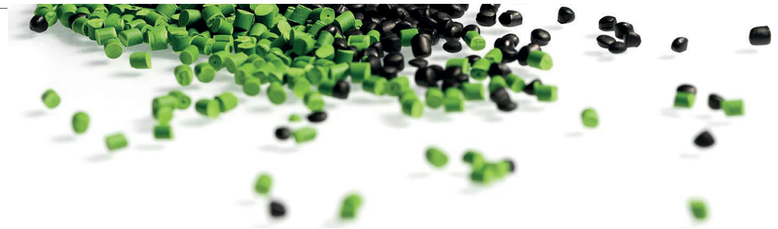


Circular Economy Solutions

We strive towards sustainable solutions in the plastics industry. This includes tailored business models to use post-consumer materials and practical knowledge to improve recycling.
We offer:

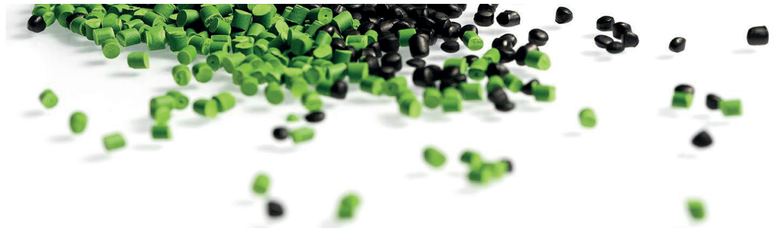
- NIR detectable color masterbatches
- Robust color package system maximizing the usage of recyclates
- Excellent and improved film properties in flexible packaging

QolorTech®NIR

It is crucial in recycling that plastics can be sorted. The majority of conventional black and also saturated colored plastic packaging typically includes carbon black pigments which absorb light emitted from the NIR spectrum and thus cannot be identified by the NIR sorting device. As a result, packaging ends up in landfills or is incinerated.

The NIR detectable color range offers effective, carbon black free solutions enabling used packaging material to be reintegrated into the value chain. Post consumer recyclate is used as raw material in the production of packaging material (open loop cycle). Coloring with QolorTech®NIR allows for NIR detection and thus supporting the circular economy.

QolorTech



Circular Economy Solutions

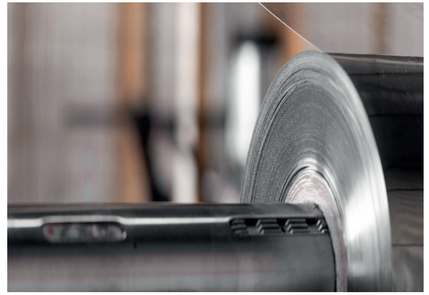
QolorTech®IQfilms

Recyclability and improved barrier properties for multilayer films are crucial, especially when it comes to food protection. QolorTech®IQfilms enable the user to recycle PE/PP based packaging replacing non-recyclable multilayer films (PA, EVOH).

The additive package shows a strong impact on the crystallization process induced by stretching and promotes the transparency and gloss of the final film. The product is based on a fully hydrogenated to a saturated cyclo-aliphatic structure that is highly compatible with polyolefin polymers and is suitable for food packaging applications.

QolorTech®ReQolor

We are strongly committed to supporting circular economy. It is the nature of recyclates that color varies. QolorTech®ReQolor supplies a robust color package system which allows you to optimize the usage of recyclates in your products.



QolorTech®IQfilms has EU food contact approval and is safe for use in food packaging applications

QolorTech