

RECYCLOBYK 4371

Free-flowing stabilizer system for the recycling of polyolefins

Product Data

Composition

Mixture of antioxidants and co-stabilizers

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Melting range: > 110 °C

Active substance: 100 %

Supplied as: white to grey granules

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

Store in a cool, dry and well-ventilated location.

Special Notes

Some additives tend to hydrolyze when exposed to moisture such as humid air. The degree of hydrolysis depends on the type of additive, the temperature, humidity, and the length of exposure.

Applications

Thermoplastics

Special Features and Benefits

RECYCLOBYK 4371 has been specifically developed to re-stabilize PP and polyolefin blends. The product enhances the processing and long-term stability of the recycle.

It is intended to be used for:

- Polyolefin blends with different compositions, e.g. bottle fractions.
- Polypropylene contaminated with other polymeric materials.
- Polypropylene exposed to aggressive substances, e.g. battery housings.
- Mixed plastic from household or industrial waste streams.

By using RECYCLOBYK 4371 during the processing of recycled plastics, the melt flow properties and the long-term thermal stability can be preserved, thus enhancing the value and the application possibilities of the recycle.

RECYCLOBYK 4371 helps to neutralize acids which may be present in the polymer from the previous processing and use.

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Recommended Use

| | |
|--------------------------------|---|
| Recycling of polyolefin blends | ■ |
| Battery housing recycling | ■ |
| Contaminated polypropylene | ■ |

■ especially recommended □ recommended

Recommended Levels

Depending on the residual stabilizer content of the material to be recycled, RECYCLOBYK 4371 can be used in quantities from 0.1 % to 1.0 %.

The above-recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

RECYCLOBYK 4371 can be dispersed into the polymer by using conventional extrusion compounding techniques.



Additive Guide



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