

RECYCLOBYK 4376

Granulated stabilizer concentrate to improve the mechanical and rheological properties for the recycling of engineering plastics.

Product Data

Composition

Additive formulation

Typical Properties

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

Active substance: 100 %

Supplied as: Rod-like granules

Storage and Transportation

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

Applications

Thermoplastics

Special Features and Benefits

RECYCLOBYK 4376 has been specifically developed to re-stabilize and improve the mechanical properties of recycled polyester and polyamide polymers. The product also enhances processing and long-term thermal stability. It is intended to be used for increasing the resin viscosity of degraded post-consumer PET flakes. In addition, it improves the processing and the properties of recycled polyamides, polycarbonate, PET, PBT, and TPU as well as blends of engineering plastics.

RECYCLOBYK 4376 is a ready-to-add additive system, which can be used without further premixing. The low-dusting pellet product form provides safe handling and metering. Improved rheological, mechanical, and long-term thermal properties add value and enhance the application possibilities of the recycle.

RECYCLOBYK 4376 increases melt strength of polycondensation polymers and allows the processor to reduce material costs by incorporating a higher content of regenerate/recyclate into their polymer compounds.

RECYCLOBYK 4376 helps to stabilize plastic recyclates against the negative influences of hydrolytic degradation.

Recommended Use

Polyester recycling	■
TPU recycling	■
Engineering thermoplastics	■

■ especially recommended □ recommended

Recommended Levels

0.1-0.7 %, depending on the residual stabilizer content of the recycle.

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

Incorporation and Processing Instructions

RECYCLOBYK 4376 is easily dispersed into the resin by using conventional extrusion compounding techniques.

Special Note

RECYCLOBYK 4376 can be combined with other BYK products. It is strongly recommended to start dosing not higher than 0.3 % and then carefully increase the dosage if needed to avoid an excessive melt viscosity increase.



Additive Guide



BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

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