

RECYCLOBYK 4373

Free flowing stabilizer system with repair properties for recycling plastics.

Product Data

Composition

Blend of antioxidants, co-stabilizers and reactive additives

Typical Properties

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

Active substance: 100 %

Melting point: > 79 °C

Supplied as: Granulate

Storage and Transportation

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

Applications

Thermoplastics

Special Features and Benefits

RECYCLOBYK 4373 has been specifically developed to re-stabilize and improve the mechanical properties of recycled plastics. The product enhances the processing and the mechanical properties of the recycle. RECYCLOBYK 4373 is a ready-to-add additive package, which the compounder/ recycler can use without further premixing. The granulated non-dusting product form ensures safe handling and metering. Improved mechanical and long-term thermal properties combined with preserved rheological properties add value and enhance the application possibilities of the recycle. RECYCLOBYK 4373 helps to stabilize plastic recycles, providing protection against the negative effects of impurities such as paint or ink residues during processing and heat aging.

Recommended Use

Polyolefin blends	■
PP/EPDM contaminated with paint residues, e.g. TPO scrap	■
PC/polyester blends contaminated with paint residues, e.g. PC/PBT scrap	■
Post-industrial and post-consumer polymers like PO-mixtures with polyamide or polyester impurities	■
Engineering thermoplastics	□

■ especially recommended □ recommended

Recommended Levels

0.1 %-2 %, depending on the residual stabilizer content and the amount of other polymer impurities in 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 4373 can be easily dispersed into the polymer by using conventional extrusion compounding techniques.

Hints

Some additives tend to hydrolyze when exposed to moisture, for example in humid air. The extent of hydrolysis will depend on the type of additive, the temperature, degree of humidity and the length of exposure. RECYCLOBYK 4373 can be combined with other BYK products.



Additive Guide



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