NANOBYK-3845

Nano Zinc Oxide Additive for Polyolefin Applications with Long-term UV Protection Properties of Goods and Substrates

Composition

NANOBYK-3845	Dispersion of 40nm zinc oxide nanoparticles

Typical Properties

	Non-volatile matter in %	**Nanoparticle content in %**	**Bulk density g/cm³**	**Drop point °F**
NANOBYK-3845	> 99 Carrier: Polyethylene	30	0.785	232

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

Recommended Levels

	% additive (as supplied) based upon	
	PE	**PP**
NANOBYK-3845	2 - 8	2 - 8

Applications

	PE	**PP**
NANOBYK-3845	■	■

■ recommended

Function

Nano zinc oxide UV absorber for usage in polyolefins with UV protection properties (UV-A and UV-B) of goods and substrates.

Special Features and Benefits

NANOBYK-3845	• excellent UV-A and UV-B blocking • long-term protection of goods and substrates • no migration • chemically inert • low influence on clarity • suitable for clear polymers and pigmented systems • fine and uniform distribution of ZnO nanoparticles • free-flowing, micro bead allows easy incorporation • safe to use due to the embedded nanoparticles • compliant with FDA and EU food contact regulations

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

NANOBYK-3845	Temperature for transport and storage must be between 0°C (32°F) and 40°C (104°F).

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