

# 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
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## **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.

NANOBYK-3845

### **Special Features and Benefits**

- 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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