

BYK-UV 3570

Crosslinking, silicone-containing surface additive for radiation-curable coatings to reduce the surface tension and increase the surface slip.

Product Data

Composition

Solution of polyester-modified, multi-acrylic functional polydimethylsiloxane

Typical Properties

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

Density (20 °C):	1.07 g/ml
Refractive index (20 °C):	1.465
Active substance:	70 %
Solvents:	Propoxylated neopentyl glycol diacrylate (PONPGDA)
Flash point:	82 °C

Storage and Transportation

To be stored and transported at a temperature below 40 °C. Protect the product from direct sunlight.

Applications

Coatings Industry

Special Features and Benefits

Due to its high surface activity, BYK-UV 3570 orientates itself at the surface of the coating. Its acrylic functionality enables it to be incorporated in the polymer network and anchored there. Depending on the dosage, the additive provides a controlled increase in the surface slip, therefore enabling the required slip to be adjusted more easily. BYK-UV 3570 also improves the leveling, the substrate wetting and the orientation of matting agents. If the additive is fixed to the coating surface via its reactive groups, these properties are maintained for a long period of time.

Recommended Use

BYK-UV 3570 is particularly recommended for all solvent-free, radiation-curable coatings.

Recommended Levels

0.1-3 % additive (as supplied) based upon total formulation.

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

Incorporation and Processing Instructions

The additive can be incorporated during any stage of the production process, including post-addition.

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Data Sheet
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Additive Guide



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