

## BYK-UV 3595

Crosslinking, silicone-containing surface additive for radiation-curing printing inks and overprint varnishes for reducing tape adhesion (improving tape release), increasing surface slip and creating structural effects.

### Product data

#### Composition

Polyether modified radiation-curing polydimethylsiloxane

SVHC label-free  
(EU SDS)

#### Typical properties

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

Density (20 °C): 1.01 g/ml  
Active substance: 100 %  
Refractive index (20 °C): 1.426

#### Storage and transportation

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

### Applications

#### Printing inks

##### Special features and benefits

BYK-UV 3595 is particularly suitable for UV-curing printing inks and overprint varnishes. The additive accumulates on the surface due to its high interfacial activity. Due to its acrylic functionality, it can be incorporated into the polymer composite and thus permanently anchored to the surface. There, it causes a reduction in adhesive tape adhesion (improvement of tape release properties) and leads to a significant increase in surface slip. In addition, BYK-UV 3595 improves flow and exhibits defoaming properties without affecting turbidity. By using BYK-UV 3595, it is also possible to create structural effects in overprint varnishes and printing inks.

##### Recommended use

BYK-UV 3595 is particularly recommended for all non-aqueous, radiation-curing flexographic, offset and screen printing inks as well as for radiation-curing overprint varnishes.

##### Recommended levels

0.1–5 % additive (as supplied) based upon the total formulation, in exceptional cases up to 8 %.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

##### Incorporation and processing instructions

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



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This issue replaces all previous versions.