BYK-1795

Silicone-free polymer defoamer for solvent-borne, solvent-free and radiation-curable systems.

Product Data

Composition
Solution of polyolefin

Silicone-free

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

Density (20 °C):	0.88 g/ml
Refractive index:	1.448
Non-volatile matter (10 min., 150 °C):	> 99 %

Applications

Coatings Industry

Special Features and Benefits
BYK-1795 is a silicone-free polymer defoamer that is particularly suitable for solvent-borne, solvent-free and radiation-curable systems.

The additive displays very efficient defoaming and prevents pinholes in polyurethane, polyester/melamine and epoxy coatings. Even in low doses, BYK-1795 has good defoaming properties.

Recommended Use

Coil coatings	■
Floor coatings	■
Can coatings	■
Wood and furniture coatings	□
General industrial coatings	□
Protective coatings	□
Architectural coatings	□

■ especially recommended □ recommended

Recommended Levels
0.1-1 % additive (as supplied) based on the 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 defoamer can be added to the millbase and can also be added at a later stage. If incorporating at a later stage, sufficiently high shear forces must be applied to ensure a good distribution of the defoamer and to prevent cratering.

Adhesives & Sealants

Special Features and Benefits
BYK-1795 is a silicone-free polymer defoamer for 100 % 2-component polyurethane and epoxy systems. The additive displays very efficient defoaming of both macro and microfoam. Even at low doses, BYK-1795 has defoaming properties, which makes it particularly recommended for highly viscous systems that have a tendency towards foam stabilization.

Recommended Levels
0.1-1.5 % additive (as supplied) based on the 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
Stir in the resin before adding other components.

Thermosets

Special Features and Benefits

BYK-1795 displays an outstanding efficiency when releasing air from all epoxy resin systems such as casting resins, infusion or winding systems. Furthermore, it has very good deaeration properties in polyurethane systems, like, for example, transparent gel coats. The use of BYK-1795 shortens the evacuation time in the production process or the deaeration times in the application, and it produces a more high-quality product.

Recommended Use

Polyurethane resins	■
Epoxy resins	□

■ especially recommended □ recommended

Recommended Levels

0.1-1 % additive (as supplied) based on the 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

To achieve an optimum deaeration, BYK-1795 should be added to the polyurethane resin already at the start of the production. If incorporating at a later stage, sufficiently high shear forces must be applied to ensure a good distribution of the air release agent, and to prevent surface defects.

BYK-1795

Data Sheet
Issue 08/2021

BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com