

BYK-A 560

Silicone-free polymer-based air release additive for solvent-free unsaturated polyester systems, gel coats and cast resins. It is recommended for all glass fiber reinforced, unsaturated polyester applications. It is also recommended for pultrusion applications with acrylic, unsaturated polyester and vinyl ester resins.

Product Data

Composition

Solution of foam-destroying polyacrylates and polymers, silicone-free.

Typical Properties

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

Density (20 °C): 0.87 g/ml

Refractive index (20 °C): 1,491

Flash point: 43 °C

Hazen color number: < 250

Turbidity: < 10 TE/F

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.

Applications

Ambient Curing Systems

Special Features and Benefits

BYK-A 560 combines excellent deaerating performance with extremely good fiber wetting properties. Air release additives may cause haze in the finished part in some resins.

Recommended Use

BYK-A 560 is recommended for all glass fiber reinforced, unsaturated polyester applications. BYK-A 560 also displays excellent deaerating properties in some gel coats, specifically in systems in which the airless process is used. BYK-A 560 is frequently used for glass fiber wetting in RTM and resin injection processes.

Recommended Levels

0.2-0.5% 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

Stir into the resin before adding other components

Pultrusion

Special Features and Benefits

Prevention of air entrapment during the manufacture and application (pultrusion) of plastic systems and to improve fiber wetting.

Recommended Use

Recommended for systems based on acrylates, unsaturated polyesters or vinyl ester resins.

Recommended Levels

0.3 phr additive (as supplied) in combination with 0.2 phr BYK-A 555 for air release. 0.5 phr additive (as supplied) for fiber wetting.

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

Incorporation and Processing Instructions

Stir into the resin before adding other components.

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Data Sheet
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