

BYK-A 555

Silicone-free polymer-based air release additive for unsaturated polyester resins. Suitable for all types of unsaturated polyester resins and processing methods. Also suitable for pultrusion applications with acrylic, unsaturated polyester and vinyl ester resins.

Product Data

Composition

Solution of foam-destroying polymers, silicone-free

Typical Properties

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

Density (68 °F):	7.34 lbs/US gal
Refractive index (68 °F):	1.51
Non-volatile matter (10 min., 302 °F):	38 %
Flash point:	109 °F
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 555 displays the highest efficiency in deaerating virtually all unsaturated polyester resins in all processing methods. Air release additive may cause haze in the finished part in some resins.

Recommended Levels

0.1-0.5 % 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.

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Pultrusion

Special Features and Benefits

Prevention of air entrapment during the manufacture and application (pultrusion) of plastic systems.

Recommended Use

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

Recommended Levels

0.2 phr additive (as supplied) in combination with 0.3 phr BYK-A 515 or BYK-A 560.

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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This issue replaces all previous versions – Printed in the USA