

BYK-A 555 SG

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

Product data

Composition

Solution of polyolefin

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
Flash point:	43 °C
Refractive index (20 °C):	1.507
Turbidity:	< 10 TE/F
Hazen color number:	< 250

Storage and transportation

To be stored and transported at a temperature below 50 °C.

Applications

Thermosets

Special features and benefits

BYK-A 555 SG 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. In pultrusion systems the additive prevents air entrapment during the manufacture and application of acrylates, unsaturated polyesters or vinyl ester resins.

Recommended levels

In unsaturated polyester resins: 0.1–0.5 % additive (as supplied) based upon total formulation.
In pultrusion systems: 0.2 % additive on the resin component in combination with 0.3 % BYK-A 515 or BYK-A 560 SG.

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

Incorporation and processing instructions

Stir into the resin before adding other components.

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This issue replaces all previous versions.