

BYK-C 8003

Reactive polymeric coupling agent for improving the mechanical properties of glass fiber reinforced, radical curing systems based on unsaturated vinylester and polyester resins.

Product Data

Composition

Mixture of surface-active substances

Typical Properties

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

Acid value: 18 mg KOH/g
Density (68 °F): 8.18 lbs/US gal
Flash point: 75 °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.

Storage and Transportation

To be stored and transported at a temperature below 40 °C (104 °F). Moisture sensitive. Close container immediately after use.

Applications

Thermoset

Special Features and Benefits

BYK-C 8003 has been developed specifically for use in radical curing, glass fiber reinforced unsaturated vinylester and polyester resin systems. The additive improves the mechanical properties of the component through increased fiber-matrix bonding. The extent of the improvement depends on the choice of the glass fiber and resin system.

Recommended Levels

1-3 % 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 additive should be added to the resin shortly before the curing process. After being added, the resin system must be processed within a maximum of 24 hours. The length of time varies depending on the type of resin and quantity of additive.

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Additive Guide



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