

BYK-C 8001

Polymeric coupling agent for increasing the mechanical strength of epoxy resin systems.

Product Data

Composition

Copolymer with surface active groups

Typical Properties

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

Density (20 °C): 1.03 g/ml
Refractive index (20 °C): 1.44
Non-volatile matter (10 min., 150 °C): > 90 %

Storage and Transportation

To be stored and transported at a temperature below 40 °C. Moisture sensitive. The containers should be directly sealed after use.



Applications

Ambient curing resin systems

Special Features and Benefits

BYK-C 8001 was specially developed for use in glass fiber-reinforced epoxy resin systems. The additive results in improved mechanical properties of the component through increased fiber-matrix bonding. The extent of the improvement depends on the choice of the glass fiber and epoxy 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

BYK-C 8001 can be added to either the hardener or the epoxy resin, although addition to the epoxy resin should be performed just before the application. The additive can be stored in standard amine hardeners. The maximum storage time is affected by the hardener composition and the additive dosage.



Additive Guide



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