

BYK-8020

Silicone resin-based foam stabilizer for mechanically foamable PVC plastisols.

Product data

Composition

Silicone resin dissolved in dioctyl adipate

Typical properties

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

Density (20 °C):	1.04 g/cm ³
Refractive index (20 °C):	1.435
Delivery form:	liquid

Storage and transportation

Product shelf life in unopened original packaging: 36 months

Temperature sensitive. Moisture sensitive. To be stored and transported at a temperature below 40 °C.

Applications

PVC plastisols

Special features and benefits

The additive stabilizes the foam in mechanically foamable PVC plastisols and is particularly characterized by the formation of a fine, homogeneous and open-celled foam structure. This makes it possible to achieve a very good resistance to compression set. Compared to soap-based foam stabilizers, by using BYK-8020 it is possible to achieve a drier touch and a reduced water uptake of the gelled PVC plastisol.

Recommended levels

1-4 phr additive (as supplied) based on the PVC resin.

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

Incorporation and processing instructions

The foam stabilizer should be post-added to the finished PVC plastisol whilst stirring slowly. It can also be injected directly into the mixing head of the mechanical foam mixer.

**Your local
contact****BYK-Chemie GmbH**

Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
info@byk.com
www.byk.com



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