



Technical Data Sheet

STRUKSILON KAC 12

Trimerisation Catalyst for Rigid Polyisocyanurate (PIR) and PUR Foam

Application Fields

STRUKSILON KAC 12 is a trimerisation catalyst for rigid PIR and PUR foam. STRUKSILON KAC 12 can be used on continuous machines as well as in rigid PIR block foam production.

Chemical and Physical Properties

STRUKSILON KAC 12 is a potassium acetate based trimerisation catalyst. STRUKSILON KAC 12 is a clear, colourless to slightly yellow liquid of relatively low viscosity.

Potassium Content	[%]	app. 12
Viscosity at 25°C	[mPas]	app. 400
Flash Point (DIN/ISO 2562)	[°C]	> 100
Density at 25°C	[kg/m ³]	app. 1227
Water Solubility	-	soluble
Calculated OH-Number	[mg KOH/g]	740
Physiological Behaviour		Refer to material safety data sheet.
Packaging		240 kg drums, 1200 kg Container

The data given are typical values which are not intended for use in preparing specifications. For test methods refer to the corresponding supplement.

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Storage Stability

STRUKSILON KAC 12 can be stored and transported for 12 months in closed original containers at temperatures between 10 and 30°C. Higher or lower storage temperatures should be avoided.

Storage under dry and cool conditions is recommended. The containers have to be stored tightly closed to avoid the uptake of humidity or other negative influences that could potentially alter the activity of the catalyst.

Technical Properties

STRUKSILON KAC 12 is characterised by a high conversion rate and excellent catalytic activity. STRUKSILON KAC 12 improves the curing of the foam and increases the isocyanurate yield.

STRUKSILON KAC 12 is used as a co-catalyst in combination with other trimerisation catalysts like STRUKSILON PMDETA, quaternary ammonium catalysts, STRUKSILON KOCT 15 or STRUKSILON KOCT 15 LV, respectively.

Due to the very high trimerisation efficiency the use of STRUKSILON KAC 12 as a single catalyst does not allow to use full flowability of a given polyurethane or PIR system. For an optimum adjustment of the foaming properties a combination of STRUKSILON KAC 12 with other trimerisation catalysts, especially with STRUKSILON KOCT 15 and STRUKSILON KOCT 15 LV, is recommended.

The suggestions for application and usage of our products as well as possible proposed formulations are meant to advise only to the best of our knowledge. This information is without obligation and does not release customers from their own testings to ensure suitability for intended processes and use. Liability is only accepted in case of intention or gross negligence. Liability for any defects caused by minor negligence are not accepted. Each producer is responsible and liable to observe legislation and patent rights of third parties.

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