

Technical Data Sheet

STRUKTOL® ZEH**STRUKTOL® ZEH-DL**

Activators for Natural Rubber

Composition

	STRUKTOL ZEH	STRUKTOL ZEH-DL
Zinc 2-ethylhexanoate	100 %	67 %
Silica	---	33 %

Properties

	STRUKTOL ZEH	STRUKTOL ZEH-DL
Appearance	highly viscous liquid	light powder
Density [kg/m ³]	1200	1400
Bulk density [kg/m ³]	---	630
Viscosity at 25 °C [mPa's]	5000	---
Zinc content [%]	23	15

Physiological behaviour refer to safety data sheet

Storage stability at least 24 months under normal storage conditions

Packing 200 kg drums 20 kg bags

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



Recommendations for Application

STRUKTOL ZEH a rubber-soluble zinc soap, is an activator for natural rubber. It is used instead of stearic acid and reduces in an excellent way stress relaxation and primary creep of NR-vulcanizates, especially in combination with soluble EV-systems.

STRUKTOL ZEH-DL is a dry liquid of STRUKTOL ZEH. As a free flowing powder it offers processing advantages compared to the highly viscous liquid STRUKTOL ZEH.

STRUKTOL ZEH and STRUKTOL ZEH-DL can be used for masticating natural rubber like other soluble zinc soaps.

STRUKTOL ZEH and STRUKTOL ZEH-DL can partly replace stearic acid also in synthetic rubber like SBR and NBR. Constant physical values such as tensile strength and elasticity can be achieved caused by the good dispersion of the soluble activator.

STRUKTOL ZEH should not be used in polychloroprene or other halogen containing polymers because of its influence on scorch.

Dosage

STRUKTOL ZEH : 1 - 3 phr
STRUKTOL ZEH-DL: 1.5 - 4.5 phr

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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