

Technical Data Sheet

STRUKTOL® EF 44

Processing Additive for Natural and Synthetic Rubber

Composition

Blend of fatty acid derivatives (predominantly zinc soaps)

Properties

Appearance		amber pastilles ^{*)}
Density	[kg/m ³]	1070
Dropping point	[°C]	95
Zinc content	[%]	8.5
Physiological behaviour		refer to safety data sheet
Storage stability		at least 24 months under normal storage conditions
Packing		20 kg bags

^{*)} Zinc soaps of unsaturated fatty acids can exhibit different shades. These variations, however, do not affect the mode of action of the products.

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 EF 44 is a newly designed processing additive for applications in natural and synthetic rubber.

Due to its selected composition comprising fatty acid derivatives with different polarities STRUKTOL EF 44 provides excellent improvement of processing behaviour for a wide range of elastomers like NR, SBR and EPDM (except for halogenated elastomers).

STRUKTOL EF 44 is especially suited for applications in extruded compounds, but also offers advantages on transfer moulding and injection moulding.

STRUKTOL EF 44 improves dispersion on fillers (especially mineral fillers) and has a beneficial influence on batch-to-batch uniformity.

STRUKTOL EF 44 acts as a cure activator and allows for reduced dosage of stearic acid.

STRUKTOL EF 44 is in accordance with regulations 21 CFR 177.2600 (FDA) and XXI BgVV (BGA) (watch for max. zinc concentration in rubber compound).

The dropping point of STRUKTOL EF 44 can increase by about 3 to 4 °C during storage. This is a physical phenomenon which does not affect the quality of the product.

Dosage

1 - 3 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.

This new leaflet replaces all previously printed documentation.

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Schill + Seilacher "Struktol" GmbH Moorfleeter Straße 28 22113 Hamburg Germany
Phone: +49 40 73362-0 Fax: +49 40 73362-194 E-Mail: info@struktol.de