

Technical Data Sheet

STRUKTOL® HT 105

Mastication and Processing Additive for Natural Rubber

Composition

Combination of metal soaps and an aromatic disulphide

Properties

Appearance		light, yellowish to brownish pastilles *)
Density	[kg/m ³]	1070
Dropping point	[°C]	95
Zinc content	[%]	8
Physiological behaviour		refer to safety data sheet
Storage stability		at least 24 months if stored properly
Packing		20 kg bags

*) STRUKTOL HT 105 can exhibit slight differences in colour, which do not affect the quality of the product.

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



Recommendation for Applications

STRUKTOL HT 105 is a **non-discolouring** multifunctional additive based on a novel processing additive which is used as a mild mastication additive.

STRUKTOL HT 105 gives an excellent dispersion in rubber and at the same time the dispersion of powdery compounding materials is improved.

The way STRUKTOL HT 105 works differs from chemical peptizers. Its masticating effect is somewhat slower, however it remains active for a longer period of time than conventional peptizers.

Preferably the high molecular weight polymer chains are broken down, resulting in a more uniform molecular weight distribution and better dynamic vulcanizate properties.

The optimum performance of STRUKTOL HT 105 is achieved at about 130 °C, but it is also effective at considerably lower temperatures and can therefore be used on two-roll mills at temperatures above 90 °C.

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