

Technical Data Sheet

STRUKTOL® HT 105

Mastication and Processing Additive for Natural Rubber

Composition

Combination of metal soaps and an aromatic disulphide

Properties

Appearance		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 under normal storage conditions
Packaging		20 kg bags

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



Recommendations for Application

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



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