

Technical Data Sheet

STRUKTOL® W 33 Flakes

Dispersing and Processing Additive

Composition

Mixture of high molecular weight, natural fatty acid esters and fatty acid soaps, bound to chemically inert fillers.

Properties

Appearance		Light brown* pastilles
Density	[kg/m ³]	1200
Bulk density	[kg/m ³]	600
Ash content	[%]	21
Acid value	[mgKOH/g]	15
Dropping point	[°C]	90
Melting start	[°C]	50
Physiological behaviour		Refer to safety data sheet
Storage stability		At least 24 months under normal storage conditions
Packing		20 kg bags

- * STRUKTOL W 33 Flakes might show slight colour variations, especially when exposed to daylight. We would like to assure, that these variations do not have any influence on product quality.





Recommendations for Application

STRUKTOL® W 33 FLAKES can be used as dispersing and processing additive in nearly all rubber polymers.

For the production of compounds on open mills or in internal mixers, the addition of STRUKTOL® W 33 FLAKES causes a better plasticity of elastomers, which leads to a rapid incorporation of the fillers and other powdery ingredients.

In highly filled compounds, STRUKTOL® W 33 FLAKES counteracts the formation of filler agglomerates. The dispersing effect supports the fine dispersion of all mixing ingredients such that mixed compound batches having more uniform properties will result.

Compounds containing STRUKTOL® W 33 FLAKES tend to stick less to processing equipment. Furthermore, reduced bagging during processing on the open mill is achieved when using STRUKTOL® W 33 FLAKES.

Calendering is positively influenced by STRUKTOL® W 33 FLAKES; an increased output as well as improved surfaces and edges can be obtained for extrusion compounds.

A clear reduction of energy consumption is achieved with STRUKTOL® W 33 FLAKES at all processing stages.

Vulcanizates resulting from compounds containing STRUKTOL® W 33 FLAKES have better release properties and exhibit a better surface finish.

Dosage

2 - 5 phr.

In compounds with high filler content up to 7 phr.



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