



STRUKTOL® W 34

DISPERSING AND PROCESSING ADDITIVE

COMPOSITION

High-molecular weight natural fatty acid esters and soaps bound to chemically indifferent fillers.

PROPERTIES	TYPICAL VALUES
Acid Value (max.)	30
Appearance	Pastille
Ash Content (% max.)	22.3
Dropping Point (°C)	80 - 92
Specific Gravity	1.20
Physiological Behavior	Refer to safety data sheet
Storage Stability	At least 2 years under normal storage conditions
Packaging	55 lb. PE bag / 2,200 lb. skid 25 kg. PE bag / 1,000 kg. skid

RECOMMENDATIONS FOR APPLICATION

STRUKTOL® W 34 can be used as a 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 34 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 34 counteracts the formation of filler agglomerates. The dispersing effect supports the fine dispersion of all mixing ingredients so that lots with uniform properties will result.

Compounds containing STRUKTOL® W 34 tend to have less sticking to processing equipment. Furthermore, reduced bagging on the open mill is given when using STRUKTOL® W 34. Calendering is positively influenced by STRUKTOL® W 34; an increased output as well as improved surfaces and edges can be obtained in extrusion compounds. A clear reduction of energy consumption is achieved with STRUKTOL® W 34 at all processing stages.

Vulcanizates resulting from compounds with STRUKTOL® W 34 have better release properties and also show better finish.

DOSAGE

0.5 to 3% of the total batch weight

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