



Struktol Company of America

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TECHNICAL DATA

STRUKTOL[®] W 34

DISPERSING AND PROCESSING ADDITIVE

COMPOSITION

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

PROPERTIES

Acid Value (max.)	30
Appearance	light brown pastilles
Ash Content (% , max.)	22.3
Dropping Point (°C)	78-90
Specific Gravity	1.20
Physiological Behavior	refer to safety data sheet
Storage Stability	at least 2 years under normal storage conditions
Packaging	25 kg. PE bags

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

(07/23/97)typ

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