



## Struktol Company of America

201 E. Steels Corners Road • P. O. Box 1649  
Stow, Ohio 44224-0649 • www.struktol.com  
Phone (330) 928-5188 • Fax (330) 928-8726

# TECHNICAL DATA

## **STRUKTOL<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> W 34 tend to have less sticking to processing equipment. Furthermore, reduced bagging on the open mill is given when using STRUKTOL<sup>®</sup> W 34. Calendering is positively influenced by STRUKTOL<sup>®</sup> 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<sup>®</sup> W 34 at all processing stages.

Vulcanizates resulting from compounds with STRUKTOL<sup>®</sup> 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

The information herein is believed to be reliable, but is presented without guarantee or warranty, express or implied. Nothing contained herein is to be construed as a recommendation for any use which is in violation of an existing patent.