



Struktol Company of America, LLC

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TECHNICAL DATA

SUPPLIED BY

STRUKTOL[®] 40 MS Flakes

HOMOGENIZING AGENT

Schill+Seilacher



Schill+Seilacher "Struktol" GmbH
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COMPOSITION

Complex mixture of aromatic and aliphatic hydrocarbon resins.

PROPERTIES	TYPICAL VALUES
Appearance	Bluish to brown pastilles
Ash Content (% max.)	2
Softening Point (°C)	96 - 110
Specific Gravity (g/cm ³)	1.06
Physiological Behavior	Refer to safety data sheet
Storage Stability	At least 2 years under the following storage conditions: It is recommended that material not be stored at temperatures above 35°C. Care must be taken not to double stack since the additional pressure will cause storage stability problems.
Packaging	25 kg. PE bags

RECOMMENDATIONS FOR APPLICATION

STRUKTOL[®] 40 MS Flakes improves the homogeneity of elastomers of different polarity and viscosity. It is rapidly absorbed by the polymers during the mixing cycle. A relatively low viscosity mass is quickly achieved into which other compounding ingredients can easily be incorporated. The homogenizing agents are particularly effective with those elastomer blends which tend to crumble at the beginning of the mixing cycle. In most cases 40 MS Flakes is added along with the polymers in the mixing cycle.

The reduction of compound viscosity and "nerve" achieved with STRUKTOL[®] 40 MS Flakes assists downstream processing. For instance, bagging tendency can be reduced, extrusion rates are increased without increasing die swell, and calendering properties are improved. These benefits are retained even after long storage periods of the green compound.

STRUKTOL[®] 40 MS Flakes increases the green tack of many compounds although strictly it is not a tackifier. It does, however, boost the efficiency of other tackifying agents.

STRUKTOL[®] 40 MS Flakes does not harden during vulcanization. The hardness of the vulcanizate is not reduced as much as when using, for example, mineral oil plasticizers.

Because of its color, STRUKTOL[®] 40 MS Flakes is not suitable for light colored compounds. Staining may occur under certain conditions. Where non-staining is specified, STRUKTOL[®] 60 NS Flakes should be used.

STRUKTOL[®] 40 MS Flakes has good solubility in aromatic and chlorinated hydrocarbon oils.

DOSAGE

4 - 15 phr

(03/17/2020)JDC/DS/rca

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