



STRUKTOL® 40 MS
HOMOGENIZING AGENT

COMPOSITION

Mixture of dark aromatic hydrocarbon resins.

TYPICAL PROPERTIES

Appearance	dark brown pastilles
Ash Content (% , max.)	2
Softening Point (°C)	96 - 106
Specific Gravity	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 95°F. Care must be taken not to double stack since the additional pressure will cause storage stability problems. In addition, as with all resins, the material should be used on a first-in, first-out basis.
Packaging	25 kg PE bags

RECOMMENDATIONS FOR APPLICATION

STRUKTOL® 40 MS 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, STRUKTOL® 40 MS is added to the polymers within the mixing cycle.

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

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

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TECHNICAL DATA

RECOMMENDATIONS FOR APPLICATION - continued

Because of its color, STRUKTOL[®] 40 MS is not suitable for light colored compounds. Staining may occur under certain conditions. Where non-staining is specified, STRUKTOL[®] RP 28 should be used.

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

DOSAGE

4 - 15 phr

(10/18/10)PAD/KAB/rca

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