

Technical Data Sheet

STRUKTOL® 60 NS FLAKES

Homogenizing Agent - Resin Plasticizer

Composition

Mixture of light-coloured aliphatic hydrocarbon resins

Properties

Appearance		Amber coloured pastilles
Density	[kg/m ³]	960
Bulk density	[kg/m ³]	570
Softening point	[°C]	105
Ash content	[%]	0.5
Solubility		Good solubility in aromatic and chlorinated hydrocarbons

STRUKTOL® 60 NS FLAKES is powdered with max. 2 % of antitack.

Physiological behaviour	Refer to safety data sheet
Storage stability	At least 24 months under normal storage conditions
Packaging	20 kg bags





Recommendations for Application

STRUKTOL® 60 NS 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. STRUKTOL® 60 NS FLAKES is particularly effective with those elastomers blends which tend to crumble at the beginning of the mixing cycle. The softening viscous resin wets the surface of the crumbs promoting the formation of a compact mass.

The reduction of compound viscosity and "nerve" achieved with STRUKTOL® 60 NS FLAKES assists further processing. For instance bagging tendency can be reduced, extrusion rates are increased without increasing die swell, and calendaring properties are improved. These benefits are retained even after long storage periods of the green compounds.

STRUKTOL® 60 NS FLAKES increases green tack of many compounds although strictly it is no tackifiers. It does, however, boost the efficiency of other tackifying agents.

STRUKTOL® 60 NS FLAKES does not harden during vulcanization. The hardness of the vulcanizate is not reduced as much as when using, for example, mineral oil plasticizers.

In most cases STRUKTOL® 60 NS FLAKES is added to the polymers within the mixing cycle.

Dosage

4 - 15 phr



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