

**Schill+Seilacher**

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]	100
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
Packing	20 kg bags

The data given are typical values which are not intended for use in preparing specifications. For test methods refer to the corresponding supplement.



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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.

The suggestions for application and usage of our products as well as possible proposed formulations are meant to advise only to the best of our knowledge. This information is without obligation and does not release customers from their own testings to ensure suitability for intended processes and use. Liability is only accepted in case of intention or gross negligence. Liability for any defects caused by minor negligence are not accepted. Each producer is responsible and liable to observe legislation and patent rights of third parties.

This new leaflet replaces all previously printed documentation.

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