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Schill + Seilacher

Technical Data Sheet

STRUKTOL® TS 35

STRUKTOL® TS 35-DL

Tackifiers and Softeners

Composition		STRUKTOL TS 35	STRUKTOL TS 35-DL
Aliphatic-aromatic soft resin		100 %	67 %
Silica		---	33 %
Properties		STRUKTOL TS 35	STRUKTOL TS 35-DL
Appearance		clear viscous substance	light crumbly powder
Density	[kg/m ³]	1074	1200
Bulk density	[kg/m ³]		600
Ash content	[%]	--	32
Physiological behaviour		refer to safety data sheet	
Storage stability		at least 24 months under normal storage conditions	
Packing		200 kg drums	20 kg bags

STRUKTOL TS 35 is soluble in aromatic and chlorinated hydrocarbons, while there is only limited solubility in aliphatic hydrocarbons and mineral oils.

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 of Application

STRUKTOL TS 35 is a resinous plasticizer which significantly increases the low green tack of synthetic rubber compounds, while the storage stability and cure rate of those compounds are not influenced.

The processability of these compounds is improved by the addition of STRUKTOL TS 35. Furthermore, a good dispersion of carbon black and mineral fillers is achieved.

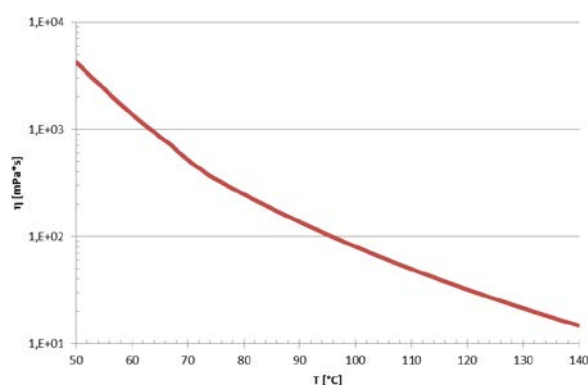
The physical properties vary only within the generally accepted rate for plasticizers. The low temperature flexibility is not influenced by STRUKTOL TS 35 compared to most other synthetic plasticizers.

Having a good resistance to extractability by aliphatic hydrocarbons and mineral oils STRUKTOL TS 35 are recommended for oil-resistant compounds.

STRUKTOL TS 35 can be used for rubber articles in contact with food according to and Recommendation XXI 2.1.3.1.2.4 BgVV (BGA). The max. dosage is 5 %.

STRUKTOL TS 35-DL is the Dry Liquid from the highly viscous resin. As free-flowing powders it offers improved handling over the high viscosity product STRUKTOL TS 35.

Viscosity Information for STRUKTOL TS 35



STRUKTOL TS 35	
Temperature [°C]	Viscosity [mPa*s]
50	4200
60	1400
70	500
80	250
90	150
100	80
110	50
120	30
130	20
140	15

Dosage

STRUKTOL TS 35

3 - 15 phr.

STRUKTOL TS 35-DL

5 - 25 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. Alterations reserved. 06/2015

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