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**Schill + Seilacher**

Technical Data Sheet

**STRUKTOL® TS 30**

**STRUKTOL® TS 30-DL**

**STRUKTOL® TS 35**

**STRUKTOL® TS 35-DL**

Tackifiers and Softeners

Composition		STRUKTOL TS 30	STRUKTOL TS 30-DL	STRUKTOL TS 35	STRUKTOL TS 35-DL
Aliphatic-aromatic soft resin		100 %	67 %	100 %	67 %
Silica		--	33 %	--	33 %
Properties		STRUKTOL TS 30	STRUKTOL TS 30-DL	STRUKTOL TS 35	STRUKTOL TS 35-DL
Appearance		light yellowish viscous substance	light yellowish, crumbly powder	clear viscous substance	light crumbly powder
Density	[kg/m <sup>3</sup> ]	1000	1200	1000	1200
Bulk density	[kg/m <sup>3</sup> ]		650		600
Viscosity at 100 °C	[mPa·s]	2200	--	80	
Ash content	[%]	--	32	--	32
Physiological behaviour		refer to safety data sheet			
Storage stability		at least 24 months under normal storage conditions			
Packing		1 kg PE- sachets with a low melting point	20 kg bags	200 kg drums	20 kg bags

STRUKTOL TS 30 and STRUKTOL TS 35 are 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 30 and STRUKOL TS 35 are resinous plasticizers which significantly increase the low green tack of synthetic rubber compounds.

The processability of these compounds is improved by the addition of STRUKTOL TS 30 or STRUKOL 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 30 or STRUKOL TS 35 compared to most other synthetic plasticizers.

Having a good resistance to extractability by aliphatic hydrocarbons and mineral oils STRUKTOL TS 30 and STRUKOL TS 35 are recommended for oil-resistant compounds.

In general, the storage stability and cure rate of compounds based on synthetic rubber are not influenced.

Whilst STRUKOL TS 35 is supplied in 200 kg drums STRUKTOL TS 30 is available in 1 kg polyethylene bags for easier handling.

STRUKTOL TS 35 (contrary to STRUKTOL TS 30) 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 30-DL and STRUKOL TS 35-DL are Dry Liquids from the corresponding materials. As free-flowing powders they offer improved handling over the high viscosity products STRUKTOL TS 30 and STRUKOL TS 35.

### Dosage

**STRUKTOL TS 30 and STRUKOL TS 35: 3 - 15 phr**

**STRUKTOL TS 30 -DL and STRUKOL 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.  
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