



Struktol Company of America
 201 East Steels Corners Road
 P.O.Box 1649, Stow, OH 44224-0649
 (330) 928-5188 • (800) 327-8649
 www.struktol.com • customerservice@struktol.com



Schill + Seilacher

Technical Data Sheet

STRUKTOL® TS 30

STRUKTOL® TS 30-DL

Tackifiers and Softeners

Composition

Aliphatic-aromatic
soft resin

**STRUKTOL
TS 30**

100 %

**STRUKTOL
TS 30-DL**

67 %

Silica

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33 %

Properties

Appearance

**STRUKTOL
TS 30**

light yellowish
viscous substance

**STRUKTOL
TS 30-DL**

light yellowish
crumbly powder

Density

[kg/m³]

1000

1200

Bulk density

[kg/m³]

650

Ash content

[%]

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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 bag

STRUKTOL TS 30 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.



Schill + Seilacher "Struktol" GmbH
Moorfleeter Str. 28
D-22113 Hamburg

Fon: +49 40 733 62-0
 Fax: +49 40 733 62-194
 E-Mail: info@struktol.de
 Internet: www.struktol.de

Recommendations of Application

STRUKTOL TS 30 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.

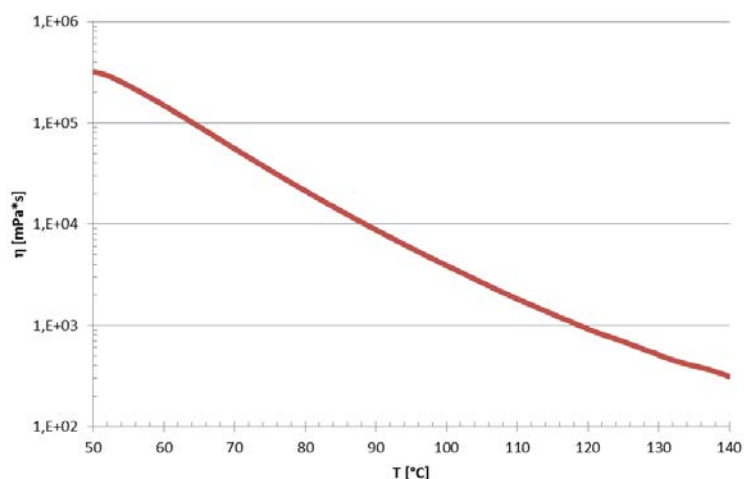
The processability of these compounds is improved by the addition of STRUKTOL TS 30. Furthermore, a good dispersion of carbon black and mineral fillers is achieved.

The physical properties vary only within the generally accepted rate for plasticizers. The low temperature flexibility is not influenced by STRUKTOL TS 30 compared to most other synthetic plasticizers.

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

STRUKTOL TS 30-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 30.

Viscosity Information for STRUKTOL TS 30



STRUKTOL TS 30	
Temperature [°C]	Viscosity [mPa*s]
50	317000
60	148000
70	56000
80	21000
90	8800
100	3900
110	1800
120	900
130	500
140	300

Dosage

STRUKTOL TS 30

3 - 15 phr.

STRUKTOL TS 30-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

Schill + Seilacher "Struktol" GmbH Moorfleeter Straße 28 22113 Hamburg Germany
Phone: +49 40 73362-0 Fax: +49 40 73362-194 E-Mail: info@struktol.de



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