

**Schill+Seilacher**

Technical Data Sheet

**Struktol Company of America, LLC**  
201 E. Steels Corners Road • P.O. Box 1649  
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(330) 928-5188 • customerservice@struktol.com**STRUKTOL® WS 180**

Processing Additive based on Organosilicones

**Composition**

Condensation product of fatty acid derivatives and silicones.

**Properties**

Appearance		beige pastilles
Density	[kg/m <sup>3</sup> ]	990
Bulk density	[kg/m <sup>3</sup> ]	550
Dropping point	[°C]	88
Physiological behaviour		refer to safety data sheet
Storage stability conditions		at least 18 months under normal storage
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.



Bank: Commerzbank AG, Hamburg, BIC: COBA DE FFXXX  
IBAN: DE07 2004 0000 0613 1254 00  
Bank: DZ Bank, Hamburg, BIC: GENO DE FF200  
IBAN: DE74 2006 0000 0000 1461 68  
Bank: Commerzbank AG, Hamburg, BIC DRES DE FF200  
IBAN: DE45 2008 0000 0275 0570 00  
Bank: Svenska Handelsbanken AB (publ), Frankfurt, BIC HAND DE FFXXX  
IBAN: DE31 5142 0600 0012 4460 01

**Sitz der Gesellschaft:**  
Hamburg  
**Registergericht:**  
Handelsregister Hamburg  
HRB 112163  
**ID-Nr.** DE 813088647  
**Steuer-Nr.** 46/757/00201  
**Gesellschaft mit beschränkter Haftung**

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### Recommendations for Application

STRUKTOL® WS 180 is a new concept in processing additives based on organosilicones which in many applications shows superior performance compared to conventional products. This new organosilicone is highly compatible with rubber compounds. This enables utilization of the highly efficient lubrication effects of silicone without exudation or bloom. Limited compatibility can occasionally be observed with compounds having a low filler content and/or a very high cross-link density.

In a unique way it improves flow properties and release behaviour in the processing of rubber as well as mould release of vulcanizates.

STRUKTOL® WS 180 leads to best results in the processing of both special (e.g. ACM, ECO) and standard elastomers showing most advantageous effects, lowering viscosity, improving mill release and helping to solve mould release problems. It has an extremely low peroxide demand and has practically no effect on physical properties.

### Dosage

0.5 - 3 phr

It should be noted that, compared to usual processing additives, the same results can be achieved with lower dosages.

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. 07/2019

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