

**Schill + Seilacher**

Technical Data Sheet

STRUKTOL® HT 600 DL

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

Reactive Processing additive based on organo-silicones for the use in peroxide crosslinkable polymers.

Composition

Modified organo-silicone on an inorganic silica carrier. Active substance content: 70%.

Properties

Appearance		beige powder
Density	[kg/m ³]	1320
Bulk density	[kg/m ³]	450
Physiological behaviour		refer to safety data sheet.
Storage stability		at least 12 months under normal storage conditions

Alternative product form

In case a liquid product form is preferred please order STRUKTOL HT 600 which consists of 100% active ingredient.

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 for Application

STRUKTOL HT 600 DL is a multi-functional processing aids for the use in peroxide crosslinkable polymer types like E(P)DM, EVM, (H)NBR, CM, CSM or FPM amongst others. STRUKTOL HT 600 DL was developed in order to improve both, the processing behaviour and the physical properties, respectively in a peroxide cure. It might be used as (partial) replacement of co-agents.

STRUKTOL HT 600 DL offers certain processing benefits in terms of decreased Mooney Viscosity or increased release properties from metal parts. In addition STRUKTOL HT 600 DL is a very heat stable material which makes it suitable for the application in products which are exposed to elevated temperatures over long periods.

During the crosslinking process STRUKTOL HT 600 DL is incorporated into the rubber network. Thus – in contrast to conventional processing aids – this product prevents either the compound or the finished article from any blooming effects on the surface.

Moreover, by the use of this product the crosslinking density is improved and consequently the physical properties of the finished article are shifted to higher levels. Therefore STRUKTOL HT 600 DL might be used as a co-agent in the peroxide cure of rubber compounds.

Commonly used co-agents as for example TAC, TAIC, TRIM might be (partially) replaced. The combination of STRUKTOL HT 600 DL with co-agents also might result in beneficial effects in physical properties.

In summary STRUKTOL HT 600 DL offers following benefits:

- Improved flow behaviour
- Excellent release performance from metal parts
- Decreased mold fouling in the Injection Molding process
- Improved physical properties of manufactured articles
- Possible (partial) replacement material for co-agents like TAC, TAIC, TRIM etc.

Dosage

1 – 4 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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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