

**Schill + Seilacher**

Technical Data Sheet

STRUKTOL® HT 600**Struktol Company of America**201 East Steels Corners Road
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Reactive Processing additive based on organo-silicones for the use in peroxide crosslinkable polymers.

Composition

Modified organo-silicone polymer

Properties

Appearance		brown liquid
Density	[kg/m ³]	1021
Physiological behaviour		refer to safety data sheet
Storage stability		at least 12 months under normal storage conditions

Alternative product form

In case a solid product is preferred please order the dry-liquid version STRUKTOL HT 600 DL consisting of 70% active ingredient on a silica carrier.

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 for Application

STRUKTOL HT 600 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 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 offers certain processing benefits in terms of decreased Mooney Viscosity or increased release properties from metal parts. In addition STRUKTOL HT 600 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 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 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 with co-agents also might result in beneficial effects in physical properties.

In summary STRUKTOL HT 600 offers following benefits:

- Improved flow properties
- Excellent release behaviour from metal parts / Decrease of Mold-Fouling
- Improved physical properties
- Possible replacement material for co-agents

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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