

**Schill + Seilacher**

Technical Data Sheet

STRUKTOL® HT 750

Processing Additive for Diamine cured Special Elastomers

**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

Properties

Appearance		transparent, opaque liquid
Density	[kg/m ³]	975
Physiological behaviour		refer to safety data sheet
Storage stability		at least 24 months under normal storage conditions

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 750 is recommended for the use in Diamine cured Special Elastomers like Vamac, HT-ACM or HNBR in either carbon black and/or white filled compounds.

STRUKTOL® HT 750 actively improves the release from metal parts for example during the mixing process, on open mill or if Injection Moulding is applied. It might replace traditional release promotors (Vanfre VAM, Ofalube SEO, Zelec UN). Also the level of traditionally used Stearic Acid might be reduced.

STRUKTOL® HT 750 creates a strong interaction with white filler surfaces which finally contributes to an improved dispersion.

As a result, the physical properties and particularly the Compression Set performance is enhanced significantly, even if no Amino-Silane is used.

If STRUKTOL® HT 750 is used in white filled compounds, the balance between Tensile Strength and Elongation at Break is improved in combination with an excellent Compression Set performance. Also the properties after heat ageing are well balanced.

Summarizing, in white filled formulations next to a Processig Aid replacement also the Amino-Silane can be skipped leading to the above mentioned benefits.

In black filled compounds traditional Processing Aids might be substituted or reduced.

STRUKTOL® HT 750 is a medium active variant in the range of Processing Additives for Diamine cured Special Elastomers (see Activity ranking below).



Dosage

1 - 5 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. 09/2015