

## Technical Data Sheet

**STRUKTOL® HP 55**

High Performance Processing Additive

**Composition**

Mixture of dark aromatic hydrocarbon resins and fatty acid derivatives

**Properties**

Appearance		dark brown pastilles
Density	[kg/m <sup>3</sup> ]	1040
Bulk density	[kg/m <sup>3</sup> ]	620
Dropping point	[°C]	100
Ash content	[%]	5
Physiological behaviour		refer to safety data sheet
Storage stability		at least 24 months under normal storage conditions
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.



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](mailto:info@struktol.de)  
Internet: [www.struktol.de](http://www.struktol.de)

## **Recommendations for Application**

STRUKTOL HP 55 is the first in a series of new high performance process additives developed for the rubber industry. Benefits have been shown in the tire industry, particularly where solution SBR and NR are being used. Processing benefits are seen without adverse effects on dynamic properties. This leads to potential application in other tire and non-tire applications (conveyor belts, engine mounts, hoses, etc.).

STRUKTOL HP 55 offers improved mixing and milling characteristics. Hot tear and reversion resistance are directionally improved. Limited testing has shown a reduction in Tan Delta when used as a partial replacement for process oil.

Other benefits include viscosity reduction and improved flow properties. The processability and reversion resistance improvement provides potential for higher productivity and faster cure at higher temperature. STRUKTOL HP 55 can be added with the polymers in most mix cycles.

## **Dosage**

5 - 15 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. 05/2009

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