

**Schill + Seilacher**

Technical Data Sheet

STRUKTOL® HT 276

Rubber Processing Additive



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Composition

Blend of fatty acid zinc soaps of predominantly aliphatic nature

Properties

Appearance		beige to redbrown pastilles
Density	[kg/m ³]	1100
Bulk density	[kg/m ³]	700
Dropping point	[°C]	100
Ash content	[%]	16
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.



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Recommendations for Application

STRUKTOL HT 276 was developed specifically for use in compounds containing high loadings of fillers, especially where more reinforcing carbon black grades or high surface area silicas are involved.

STRUKTOL HT 276 reduces compound viscosity and enhances flow property, leading to improved processability, for example during extrusion.

In silica compounds STRUKTOL HT 276 reduces the degree of filler-to-filler re-agglomeration, known as storage hardening, thereby stabilising the level of viscosity.

STRUKTOL HT 276 enhances scorch safety of both silica and carbon black compounds and is effective for use both in natural rubber and in synthetic rubber, for example SBR, SSBR and BR blends as are frequently used in tread compounds.

The use of STRUKTOL HT 276 leads to improved physical properties, in contrast to many lubricants which may cause a softening effect, STRUKTOL HT 276 results in an increased state of cure.

Reversion resistance can be improved by use of STRUKTOL HT 276 and dynamic properties such as heat build up on flexing are lowered by the use of this product.

Dosage

2 - 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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