

Technical Data Sheet

STRUKTOL® HT 250

Processing Additive for application in silica compounds based on S-SBR, BR and NR

Composition

Blend of fatty acid esters and high molecular components

Properties

Appearance		Light yellow pastilles
Melting point	[°C]	58
Density	[kg/m³]	980
Acid value	[mg KOH/g]	12
Physiological behaviour		Refer to material safety data sheet
Storage stability		At least 24 months in original sealed containers
Packaging		20 kg bags



Recommendations for Application

STRUKTOL® HT 250 significantly enhances the processing of silica compounds. Application of STRUKTOL® HT 250 reduces compound viscosity and increases filler dispersion rate. As a result, mixing time as well as mixing temperature is reduced.

Especially when used for processing of highly-filled silica compounds based on functionalized synthetic rubber, STRUKTOL® HT 250 significantly increases green-strength and improves compound processing.

STRUKTOL® HT 250 reduces adhesion of the rubber compound to mixer blades and rollers. In addition, STRUKTOL® HT 250 improves demoulding of vulcanizates.

In general, the influence of STRUKTOL® HT 250 on silanisation reaction and vulcanization kinetics is negligible.

Dosage

3 - 15 phr

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