Schill+Seilacher struktol®

Technical Data Sheet

STRUKTOL® AKTIVATOR 74

Vulcanization Activator

Composition

Blend of zinc soaps of aliphatic and aromatic carboxylic acids

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
Packaging	20 kg bags

Recommendations for Application

STRUKTOL® AKTIVATOR 74 was developed as cure activation additive for use in sulphur cure systems in many diene rubbers

STRUKTOL® AKTIVATOR 74 can partly or completely replace common fatty acid based activators, such as stearic acid, zinc stearate, or zinc 2-ethylhexanoate.

When used in NR containing compounds an increased reversion resistance is obtained. This stability can be used to overcome property loss due to overcure of large cross section articles for example.

STRUKTOL® AKTIVATOR 74 is recommended for use as an additive for NR silica filled compounds, where improved filler dispersion and recued Mooney viscosity are obtained.

Physical properties are improved by use of STRUKTOL® AKTIVATOR 74, generally a higher state of cure can be achieved which results in increased modulus.

STRUKTOL® AKTIVATOR 74 has a beneficial influence on dynamic properties, lower tan delta has been observed and a reduced heat build up on flexing due to the better resistance to reversion may be obtained.

Processability is enhanced by use of STRUKTOL AKTIVATOR 74, flow properties are improved, particularly in NR containing compounds. The use of additional process additives can be avoided.

Further, STRUKTOL® AKTIVATOR 74 is an effective physical peptiser for the mastication of natural rubber.

Dosage

3 - 5 phr

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