

Technical Data Sheet

STRUKTOL® WB 16 Beads

Lubricant

Composition

Mixture of calcium soaps and amides of saturated fatty acids

Properties

Appearance		Yellowish micro-beads
Density	[kg/m ³]	1000
Bulk density	[kg/m ³]	520
Melting point	[°C]	102
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® WB 16 BEADS is used in rubber compounds to improve flow properties. This effect is attributable to a considerable reduction of the viscosity (internal friction) of the green compound and a decrease of the sliding friction when in contact with metal surfaces.

The release effect of STRUKTOL® WB 16 BEADS is remarkable. STRUKTOL® WB 16 BEADS eliminates sticking to rotors in internal mixers or on open mills and calender rolls, and improves mould release, especially when complicated mould designs are involved.

STRUKTOL® WB 16 BEADS has a slight activating effect on the cure rate of sulphur-containing compounds. Additional compound stability (prolonged scorching time) is often achieved with STRUKTOL® WB 16 BEADS in polychloroprene compounds.

STRUKTOL® WB 16 BEADS can be added at any stage of the mixing cycle, even during the warm up stage of the finished compounds prior to calendaring. However, to achieve the optimum release effect and reduction of friction it is best to add the STRUKTOL® WB 16 BEADS during the final mixing stage.

Dosage

1 - 3 phr

Higher dosages are possible, but the desired effects are no longer significantly enhanced.



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