



STRUKTOL[®] A 50

PROCESSING ADDITIVE FOR NATURAL AND SYNTHETIC RUBBER

COMPOSITION

Zinc soaps of unsaturated fatty acids.

PROPERTIES	TYPICAL VALUES
Appearance	Pastille
Ash Content (% max.)	14.5
Dropping Point (°C)	97 - 109
Specific Gravity	1.10
Zinc Oxide Content (% max.)	14.5
Physiological Behavior	Refer to safety data sheet
Storage Stability	At least 18 months under normal storage conditions
Packaging	55 lb. PE bag / 2,200 lb. skid 25 kg. PE bag / 1,000 kg. skid

RECOMMENDATIONS FOR APPLICATION

STRUKTOL[®] A 50 is in our series of process additives developed by Struktol, which are zinc fatty acid derivatives.

These zinc salts have proven effective over the years as physical peptizers for natural rubber. Since the available double bonds act to stabilize free radical formation, products such as STRUKTOL[®] A 50 improve reversion resistance and produce vulcanizates which display greater resilience and tear strength. Because of the higher level of solubility, STRUKTOL[®] A 50 can be used without fear of bloom or adverse effect on rubber to metal or rubber-to-rubber adhesion.

Due to the polymer chain lubricating effect, compounds containing STRUKTOL[®] A 50 will display lower viscosities under shear as well as greatly enhanced flow rates.

When used as a process additive for solution SBR, compound viscosities are reduced while flow rates and reversion resistance are improved.

STRUKTOL[®] A 50 will also provide easier mixing and extrusion of compounds based on solution SBR. Mold flow and mill roll release will also be enhanced.

DOSAGE

3 - 5 phr

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