



# Struktol Company of America, LLC

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# TECHNICAL DATA

## STRUKTOL<sup>®</sup> Zinc Stearate

### COMPOSITION

STRUKTOL<sup>®</sup> Zinc Stearate is manufactured from a high quality technical grade stearic acid in a tightly controlled production operation that guarantees product uniformity.

Three forms are available – bead, pastille, and powder. Zinc stearate bead is a free-flowing spray-dried microbead. The pastille is lens-shaped and approximately 1/8 inch in diameter. The bead and pastille are relatively new product forms in the industry. They have the major advantage of being essentially dust-free during handling, in contrast to powder forms. In all other aspects, the properties are equivalent to the standard stearates being used in the plastic and rubber industries.

### PROPERTIES

### TYPICAL VALUES

<u>PROPERTIES</u>	<u>TYPICAL VALUES</u>	
	White to off-white bead or pastille	White to off-white powder
Ash Content (% max.)	15.5	15.0
Melting Point (°C)	115 - 125	115 - 125
Free Fatty Acid (% max.)	1.5	1.5
Moisture (% max.)	1.0	1.0
Particle Size (% thru 325 mesh)	---	99
Storage Stability	Unlimited in a cool dry area	
Packaging	55 lb. PE bag / 2,200 lb. skid 25 kg. PE bag / 1,000 kg. skid	50 lb. paper bag / 2,000 lb. skid 22.7 kg. paper bag / 909 kg. skid

### RECOMMENDATIONS FOR APPLICATION

STRUKTOL<sup>®</sup> Zinc Stearate is one of the most widely used additives in the plastics field. It serves primarily as a lubricant, but also as a densifying agent and a partitioning agent. It is used extensively in color concentrates as a dispersion aid. It is used to improve processing of the styrenics and polyesters, and to a lesser extent with the olefins. In rubber applications, it functions as an elastomer processing aid and release agent.

### DOSAGE

0.5% in most plastic applications.

Up to 3 parts in rubber recipes.

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