



STRUKTOL® CALCIUM STEARATE

COMPOSITION

STRUKTOL® Calcium Stearate is a high purity, non-wettable, calcium stearate powder manufactured with high quality stearic acid. During manufacture, the particle size, shape, bulk, and purity of STRUKTOL® Calcium Stearate are closely controlled to guarantee product uniformity.

PROPERTIES	TYPICAL VALUES
Product Form	Powder
Ash (%)	9.2 – 12.0
Free Fatty Acid (% max.)	3.0
Melting Point (°C)	140 - 165
Moisture (% max.)	4.0
Particle Size (% thru 200 mesh)	95 - 100
Specific Gravity	1.01
Storage Stability	Unlimited in a cool dry area
Packaging	44 lb. paper bag / 2,200 lb. skid 20 kg. paper bag / 1,000 kg. skid

RECOMMENDATIONS FOR APPLICATIONS

STRUKTOL® Calcium Stearate is used by the rubber and plastic industries as an effective elastomer processing aid and release agent. The low chloride content of STRUKTOL® Calcium Stearate allows for complete product dispersion in elastomers.

STRUKTOL® Calcium Stearate reduces extruder pressure build-up of rigid PVC compounds when used as a processing aid during the manufacture of pipe, siding and injection molded fittings.

The low chloride content of STRUKTOL® Calcium Stearate meets the quality and processing demands of polyolefin, polystyrene and polyester manufacture.

STRUKTOL® Calcium Stearate can also be used as a processing aid in wire drawing operations, and as an anti-caking additive in dry blending operations.

Some of the benefits of using STRUKTOL® Calcium Stearate are:

- **LOW IMPURITY** Reduces extruder pressure build-up and minimizes fiber breakage during extrusion and spinning.

- **COLOR STABILITY** High-purity and a unique manufacturing process give this product extreme heat resistance to prevent discoloration and haze formation.

- over -



Struktol Company of America, LLC

201 E. Steels Corners Road • Stow, Ohio 44224-4921
Phone (330) 928-5188 • Fax (330) 928-0013
www.struktol.com • customerservice@struktol.com

TECHNICAL DATA

DOSAGE

Injection	V-SSE	0.7 – 1.0 phr	Extrusion	V-SSE	0.7 – 1.0 phr	
	Molding	V-PEAS		0.3 – 0.5 phr	V-PEAS	0.3 – 0.7 phr
	<i>(Opaque)</i>	Calcium Stearate*		0.7 – 1.0 phr	Calcium Stearate	0.7 – 1.0 phr
	V-DSP	0.7 – 1.2 phr		V-DSP	0.7 – 1.2 phr	
	165 Wax	0.3 – 0.5 phr		165 Wax	0.3 – 0.7 phr	
	Calcium Stearate*	0.5 – 0.7 phr		Calcium Stearate	0.5 – 1.0 phr	
	V-HRW	0.7 – 1.5 phr		V-HRW	0.7 – 1.0 phr	
	V-Peas or VLB-602	0.3 – 0.75 phr		V-Peas	0.3 – 0.75 phr	
	Oxidized HDPE	0.07 – 0.15 phr		Oxidized HDPE	0.07 – 0.15 phr	
	Calcium Stearate*	0.3 – 1.0 phr		Calcium Stearate	0.3 – 1.0 phr	
	*Note: Reduce Calcium Stearate as much as possible for improved flow.			V-SSE	0.7 – 1.0 phr	
				VLB-602	0.4 – 0.8 phr	
				Calcium Stearate	0.7 – 1.0 phr	
Calendering	V-HRW	0.7 – 1.5 phr				
	<i>(Opaque)</i>	VLB-602	0.5 – 0.75 phr			
		Oxidized HDPE	0.07 – 0.15 phr			
		Calcium Stearate	0.3 – 0.75 phr			
	V-HRW	0.7 – 1.5 phr				
	V-Peas LA	0.3 – 0.6 phr				
	Oxidized HDPE	0.07 – 0.15 phr				
	Calcium Stearate	0.3 – 0.75 phr				

(12/06/2022)DS/abw

The information herein is believed to be reliable, but is presented without guarantee or warranty, express or implied. Nothing contained herein is to be construed as a recommendation for any use which is in violation of an existing patent.