



# Struktol Company of America

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# TECHNICAL DATA

## STRUKTOL® V-PEAS VG

LUBRICANT ADDITIVE FOR PVC AND POLYMER PROCESSING

### COMPOSITION

Polymeric complex ester of saturated fatty acids. STRUKTOL® V-PEAS VG is manufactured from high quality vegetable acid with low iodine value.

### PROPERTIES

Appearance	Off-white powder or pastille
Acid Value	5 - 12
Dropping Point (°C)	52 - 60
Specific Gravity	1.028
Physiological Behavior	Refer to safety data sheet
Storage Stability	At least 2 year under normal storage conditions
Packaging	55 lb. bag

### RECOMMENDATIONS FOR APPLICATION

**Typical Applications:** STRUKTOL® V-PEAS VG (Vegetable Grade) is a very compatible complex ester lubricant manufactured from vegetable source fatty acids and is especially suited for calendered PVC sheet. It also has application in extrusion, blow molding and injection molding formulations.

**Features:** STRUKTOL® V-PEAS VG is a very effective lubricant with externally lubricating properties which has no negative impact on clarity in extrusion, calendaring, or injection molding. STRUKTOL® V-PEAS VG is noted to have ideal characteristics for calendered sheet where clarity is critical and where lower cost in performance is needed to replace montanic esters.

### DOSAGE

<b>Injection Molding</b> ( <i>Opaque</i> )	V-SSE	0.7 – 1.0 phr	<b>Extrusion</b> ( <i>Opaque</i> )	V-SSE	0.7 – 1.0 phr
	V-PEAS VG	0.3 – 0.5 phr		V-PEAS VG	0.3 – 0.7 phr
	Calcium Stearate*	0.7 – 1.0 phr		Calcium Stearate	0.7 – 1.0 phr
	V-HRW	0.7 – 1.5 phr		V-HRW	0.7 – 1.0 phr
	V-PEAS VG	0.3 – 0.75 phr		V-PEAS VG	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.					
<b>Injection Molding</b> ( <i>Clear</i> )	V-HRW	0.7 – 1.0 phr	<b>Extrusion</b> ( <i>Clear</i> )	V-DSP	0.7 – 1.0 phr
	V-PEAS VG	0.3 – 0.6 phr		V-PEAS VG	0.3 – 0.6 phr
				Oxidized HDPE	0.1 – 0.3 phr

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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.



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# TECHNICAL DATA

## DOSAGE – CONTINUED

<b>Calendering</b>	V-HRW	0.7 – 1.5 phr	<b>Calendering</b>	V-HRW	0.6 – 1.2 phr
<i>(Opaque)</i>	V-PEAS VG	0.3 – 0.6 phr	<i>(Clear)</i>	V-PEAS VG	0.3 – 0.5 phr
	Calcium Stearate	0.3 – 0.75 phr			
	Oxidized HDPE	0.07 – 0.15 phr			

## FDA STATUS

STRUKTOL® V-PEAS VG is sanctioned for use by the Food and Drug Administration (FDA) in a number of applications, listed in the following section of Title 21 of the Code of Federal Regulations:

**178.3690**

(02/28/07)JMB/mmm

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