



# Struktol Company of America

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# TECHNICAL DATA

## **STRUKTOL<sup>®</sup> V-PEAS LA** **LUBRICANT ADDITIVE FOR PVC AND POLYMER PROCESSING**

### **COMPOSITION**

Polymeric complex ester of saturated fatty acids.

### **PROPERTIES**

Appearance	Off-white prill or pastille
Acid Value	5 - 10
Melting Point (°C)	40 - 50
Specific Gravity	1.017
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<sup>®</sup> V-PEAS LA is a very compatible complex ester lubricant with lower acid value than STRUKTOL<sup>®</sup> V-PEAS, and is especially suited for calendered PVC sheet. It also has application in extrusion, blow molding, and injection molding formulations.

**Features:** STRUKTOL<sup>®</sup> V-PEAS LA is a very effective lubricant with externally lubricating properties which has no negative impact on clarity in extrusion, calendaring, or injection molding. STRUKTOL<sup>®</sup> V-PEAS LA 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</b>	V-SSE	0.7 – 1.0 phr	<b>Extrusion</b>	V-SSE	0.7 – 1.0 phr
<b>Molding</b>	V-PEAS LA	0.3 – 0.5 phr	<i>(Opaque)</i>	V-PEAS LA	0.3 – 0.7 phr
<i>(Opaque)</i>	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 LA	0.3 – 0.75 phr		V-PEAS LA	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</b>	V-HRW	0.7 – 1.0 phr	<b>Extrusion</b>	V-DSP	0.7 – 1.0 phr
<b>Molding</b>	V-PEAS LA	0.3 – 0.6 phr	<i>(Clear)</i>	V-PEAS LA	0.3 – 0.6 phr
<i>(Clear)</i>				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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## DOSAGE - CONTINUED

<b>Calendering</b> <i>(Opaque)</i>	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

<b>Calendering</b> <i>(Clear)</i>	V-HRW	0.6 – 1.2 phr
	V-PEAS LA	0.3 – 0.5 phr

## FDA STATUS

STRUKTOL® V-PEAS LA 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**

(3/21/12)ZB/JMB/rca

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