

**struktol**®

expect **MORE**  
realize **MORE**

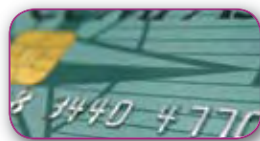


**Opening A World**  
*Of New Opportunities*



**Lubricant Products  
for PVC Compounding and  
Processing**

## Struktol Plastic Additives for PVC Compounding



### PRODUCT

### CHEMISTRY

### DROP / MELT, °C

#### ACID ESTERS

V-DSP	Di-stearyl Phthalate	47-57 MP
V-HRW	Hydroxy Glycerol Ester	85 DP (min.)
V-PEAS	Pentaerythritol Adipate Stearate	52-60 DP
V-PEAS (LA)	Pentaerythritol Adipate St. Calender Grade	52-60 DP
V-PEAS (VG)	Pentaerythritol Adipate St. Vegetable Grade	52-60 DP
V-PEDS	Pentaerythritol Distearate	45-55 MP
V-PETS	Pentaerythritol Tetrastearate	49-63 DP
V-SSE	Stearyl Stearate	54-61 MP



#### ACID AMIDES

TR EBS	Ethylene Bisstearamide	135-150 MP
TR 121	Oleamide	66-72 MP
TR 131	Erucamide	76-80 MP
TR 141	Stearamide	98-104 MP



#### MONTAN ESTER WAX

Montan Wax E	Montanic Ester	81 DP
Montan Wax OP	Montanic Ester - Partially Saponified	102 DP



#### METALLIC SOAPS

Calcium Stearate	Calcium Stearate	150 MP
Calcium Stearate GR	Calcium Stearate	155 MP



#### OPTIMIZED BLENDS / ONE PACKS

TR 060	Compatibilizer/Blending Aid	95-105 Softening Point
TR 065	Compatibilizer/Blending Aid	106-116 DP
TR 251	Lubricant Blend	115-125 DP
VC 100	One Pack Lubricant	105-120 DP
VCS-526A	Co-Stabilizer/Lubricant Blend	142-147 DP
V-HCS	Co-Stabilizer	–
VLB-602	Ester Lubricant Blend	79-88 DP
VLB-618	Ester Lubricant Blend - Vegetable Grade	79-88 DP
VM-512	Rigid PVC Matting Package	–
V-MAT G	Rigid PVC Matting Package	–

**FORM****APPLICATIONS**

Pastille Internal lubricant for extruded profiles and molding – exceptional clarity

Flake, Powder Highly compatible lubricant with both internal and external properties

Pastille, Powder External lubricant for extrusion, blow and injection molding

Pastille, Powder External lubricant for calendering

Pastille, Powder External lubricant for calendering, extrusion, blow and injection molding

Bead, Pastille Internal/external lubricant for extruded profiles and molded goods

Bead, Pastille External lubricant for extruded profiles and molded goods

Bead, Pastille Extrusion, calendering and injection molding – superior weathering

Bead, Pastille, Powder Internal/External lubricant for opaque rigid molding and extrusion

Bead, Pastille Provides slip, antiblock and limited mold release characteristics

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Bead, Pastille Provides slip, antiblock and limited mold release characteristics

Flake Superior plate out resistance for calendered and molded goods

Flake Higher melt temp alternative to Montan Wax E

Powder General purpose lubricant and co-stabilizer

Granule Low dust granule to replace traditional Calcium Stearate

Pastille, Powder Unique compatibilizer blend. Especially useful in processing recycled rigid PVC

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Prill, Pastille Replacement for EBS and Calcium Stearate

Pastille CPE impact modified rigid PVC

Pellet Co-stabilizing package for rigid PVC with some lubricating properties. Especially useful in processing recycled PVC

Pellet Co-stabilizing package for rigid PVC with some lubricating properties. Especially useful in processing recycled PVC

Pastille, Powder External lubricant, excellent for calendering, clear rigid PVC

Pastille, Powder External lubricant, excellent for calendering rigid PVC

Pellet Matting agent for rigid PVC to produce matted/textured surface

Powder Matting agent for rigid PVC to produce matted/textured surface

Struktol products are designed to meet the challenges and exacting demands of our customers.



## Typical Dosage Recommendations

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

<b>Injection Molding</b> (Clear)	V-HRW	0.7 - 1.0	phr
	V-PEAS or VLB-602	0.3 - 0.6	phr

<b>Extrusion</b> (Opaque)	V-SSE	0.7 - 1.0	phr
	V-PEAS	0.3 - 0.7	phr
	Calcium Stearate	0.7 - 1.0	phr
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	V-DSP	0.7 - 1.2	phr
	165 Wax	0.3 - 0.7	phr
	Calcium Stearate	0.5 - 1.0	phr

	V-HRW	0.7 - 1.0	phr
	V-PEAS	0.3 - 0.75	phr
	Oxidized HDPE	0.07 - 0.15	phr
	Calcium Stearate	0.3 - 1.0	phr

	V-SSE	0.7 - 1.0	phr
	VLB-602	0.4 - 0.8	phr
	Calcium Stearate	0.7 - 1.0	phr

<b>Extrusion</b> (Clear)	Montan Wax E	0.3 - 0.6	phr
	Montan Wax OP	0.3 - 0.6	phr
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	V-DSP	0.7 - 1.0	phr
	V-PEAS	0.3 - 0.6	phr
	Oxidized HDPE	0.1 - 0.3	phr

<b>Extrusion</b> (CPE Modified PVC)	VC 100	2.0 - 3.0	phr
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<b>Calendering</b> (Opaque)	V-HRW	0.7 - 1.5	phr (internal)
	VLB-602	0.5 - 0.75	phr (external)
	Calcium Stearate	0.3 - 0.75	phr
	Oxidized HDPE	0.07 - 0.15	phr
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	V-HRW	0.7 - 1.5	phr
	V-PEAS LA	0.3 - 0.6	phr
	Calcium Stearate	0.3 - 0.75	phr
	Oxidized HDPE	0.07 - 0.15	phr

<b>Calendering</b> (Clear)	V-HRW	0.6 - 1.2	phr
	V-PEAS LA	0.3 - 0.5	phr
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	Montan Wax E	0.3 - 0.6	phr
	Montan Wax OP	0.3 - 0.6	phr

<b>Wire and Cable</b> (High Speed)	V-PEDS	1.0 - 1.5	phr
	VLB-602	0.5 - 0.7	phr

<b>Recycled PVC</b> (Calendering Extrusion Inj. Molding)	TR 060	0.5 - 1.0	%
	VCS-526A	0.5 - 2.0	%
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<i>* Not recommended for clears at loadings above 0.3% each.</i>			

<b>Matting Packages</b> (Calendering Extrusion Inj. Molding)	V-MAT G	0.5 - 5.0	%
	VM-512	0.5 - 3.0	%
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<i>* Not recommended for clears at loadings above 0.3% each.</i>			

<b>Color Concentrates/ Masterbatches</b>	TR 251	0.5 - 2.0	%
	TR 016	0.5 - 1.0	%

<b>Wood Composites</b>	TPW 012	1.0 - 3.0	%
	TR 251	1.0 - 3.0	%
	VC 100	1.0 - 3.0	%

<b>Slip</b>	TR 121	0.05 - 0.6	%
	TR 131	0.3 - 0.5	%

<b>Internal Mold Release/AntiBlock</b>	TR 141	0.3 - 0.6	%
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Struktol can also develop **unique custom blends** for your specific applications and needs. Please contact our PVC technical team today at **330-928-5188**.



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realize **MORE**

## Lubricant Products for PVC Compounding and Processing

In today's global marketplace, you need to produce parts faster, with improved performance qualities – all at a total lower cost. Struktol lubricant products for PVC Compounding can open a world of new opportunities to enhance your existing products and help you realize increased profits.

Struktol's products contain simple and complex fatty acid esters, primary amides, montan waxes, metallic stearates and lubrication packages that can be used in a wide range of PVC applications such as calendering, extrusion, blowmolding and injection molding. Final products include rigid PVC film and sheet for credit cards, packaging and signs. Other products include extruded profiles, injection molded goods and blow molded containers.

Let our extensive line of products improve the functionality, quality and performance values in your business.

### Realize More with Struktol

- Superior viscosity control
- Improved mold release
- Reduced friction, plate out, mold splay
- Improved mixing and uniform filler dispersion
- Decreased mixing times and energy
- Greater impact resistance
- Outstanding customer and technical service
- Overall cost reduction: greater margins per piece, more product per run
- State-of-the-art laboratory capabilities
- Custom, unique product development
- Just-in-time shipping
- Improved ease of manufacturing



*At Struktol, we've built a reputation for unique, dynamic and cost-effective solutions. Let us help your business open a world of new opportunities.*

*Call us today at **330-928-5188** or visit us on the web at **[www.struktol.com/pvc](http://www.struktol.com/pvc)**.*

## Struktol Company of America

Struktol Company of America is a member of the Schill & Seilacher family of companies, with representation in over 100 countries around the world. A global organization with over a century of specialty chemical expertise, Schill & Seilacher markets most of their polymer processing products under the brand name STRUKTOL® – a name that has become synonymous with both quality and performance. Struktol chemicals are found in plastics and rubber as well as man-made fibers, textiles, leather, and paper products.

The Struktol approach to the rubber and plastics additive business is by no means typical or ordinary. Chemistry is at the heart of everything we do. Providing Intelligent Additive Solutions, Struktol products are designed to meet the challenges and exacting demands of our customers. Our technical specialists, R&D chemists and compound laboratory are dedicated to creating innovative solutions for the ever-changing polymer industry – solutions that keep you ahead of your competition with increased productivity, better quality parts and lower overall cost. In addition to premium product performance, Struktol Customer Service initiatives have become the industry benchmark.



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