



Struktol Company of America

201 E. Steels Corners Road • P. O. Box 1649
Stow, Ohio 44224-0649 • www.struktol.com
Phone (330) 928-5188 • Fax (330) 928-8726

TECHNICAL DATA

STRUKTOL® VLB-901

LUBRICANT ADDITIVE FOR PVC AND POLYMER PROCESSING

COMPOSITION

Blend of fatty acid esters.

TYPICAL PROPERTIES

Appearance	Off-white to tan powder
Melting Point (°C)	77 - 83
Specific Gravity	1.00
Physiological Behavior	Refer to safety data sheet
Storage Stability	at least 2 years under normal storage conditions
Packaging	2000 lb. supersack

RECOMMENDATIONS FOR APPLICATION

Typical Applications: STRUKTOL® VLB-901 is a very compatible complex ester lubricant. It has noted performance in clear calendered PVC sheet. It also has application in clear extrusion, blow molding and injection molding formulations. It is especially useful in products that require printing, laminating, or bonding.

Features: STRUKTOL® VLB-901 is very effective mostly as an external lubricant, with some internal properties, which have no negative impact on clarity in extrusion, calendering, or injection molding. STRUKTOL® VLB-901 is noted to have ideal characteristics for calendered sheet where clarity and low water blush is critical and where lower cost in performance is needed to replace montanic esters.

DOSAGE

Injection Molding (Opaque)	V-HRW	0.7 – 1.5 phr	Extrusion (Opaque)	V-SSE	0.7 – 1.0 phr
	VLB-901	0.3 – 0.75 phr		VLB-901	0.4 – 0.8 phr
	Oxidized HDPE	0.07 – 0.15 phr		Calcium Stearate	0.7 – 1.0 phr
	Calcium Stearate*	0.3 – 1.0 phr			

*Note: Reduce Calcium Stearate as much as possible for improved flow.

Injection Molding (Opaque)	V-HRW	0.7 – 1.0 phr	Extrusion (Clear)	V-DSP	0.7 – 1.0 phr
	VLB-901	0.3 – 0.6 phr		VLB-901	0.3 – 0.6 phr
				Oxidized HDPE	0.1 – 0.3 phr

Calendering (Opaque)	V-HRW	0.7 – 1.5 phr	Wire and Cable (HighSpeed)	V-PEDS	1.0 – 1.5 phr
	VLB-901	0.5 – 0.75 phr		VLB-901	0.5 – 0.7 phr
	Calcium Stearate	0.3 – 0.75 phr			
	Oxidized HDPE	0.07 – 0.15 phr			