



Struktol Company of America

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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

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|--------------------------------------|-------------------|-----------------|------------------------------|------------------|---------------|
| 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.

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| 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 |

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|--------------------------------|------------------|-----------------|--------------------------------------|---------|---------------|
| 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 | | | |