



Struktol Company of America

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TECHNICAL DATA

STRUKTOL® V-HRW

LUBRICANT ADDITIVE FOR PVC AND POLYMER PROCESSING

COMPOSITION

Hydroxyl glycerol ester of saturated fatty acids.

PROPERTIES

Appearance	White to off white flakes or powder
Dropping Point (°C)	85 Minimum
Specific Gravity	1.023
Physiological Behavior	Refer to safety data sheet
Storage Stability	At least 2 years under normal storage conditions
Packaging	50 lb. bag (40 bags/pallet) 2,200 lb. supersack

RECOMMENDATIONS FOR APPLICATION

Typical Application: STRUKTOL® V-HRW is a highly compatible, rigid PVC lubricant with both internal and external properties. It is particularly useful in clear PVC articles due to its excellent clarity and low water blush. It can be used in blow molding, injection molding, extrusion and is especially effective in calendaring applications and in products that will be printed, bonded or laminated.

Features: STRUKTOL® V-HRW has very little effect on heat distortion temperature (HDT) and is approved for food use.

DOSAGE

Injection Molding (<i>Opaque</i>)	V-HRW	0.7 – 1.5 phr	Injection Molding (<i>Clear</i>)	V-HRW	0.7 – 1.0 phr
	V-PEAS	0.3 – 0.75 phr		V-PEAS	0.3 – 0.6 phr
	Oxidized HDPE	0.07 – 0.15 phr			
	Calcium Stearate*	0.3 – 1.0 phr			

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

Extrusion (<i>Opaque</i>)	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

Calendaring (<i>Opaque</i>)	V-HRW	0.7 – 1.5 phr	Calendaring (<i>Clear</i>)	V-HRW	0.6 – 1.2 phr
	VLB-602	0.5 – 0.75 phr		V-PEAS LA	0.3 – 0.5 phr
	Oxidized HDPE	0.07 – 0.15 phr			
	Calcium Stearate	0.3 – 0.75 phr			

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

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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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FDA Status

STRUKTOL® V-HRW is sanctioned for use by the Food and Drug Administration (FDA) listed in the following sections of Title 21 of the Code of Federal Regulations:

176.170 176.210 177.1200 177.1210 177.2420 178.3280

(02/28/07)JMB/mmm

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