



## Struktol Company of America

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Stow, Ohio 44224-0649 • www.struktol.com  
Phone (330) 928-5188 • Fax (330) 928-8726

## TECHNICAL DATA

# STRUKTOL<sup>®</sup> PE(O)-300

**PROCESSING ADDITIVE FOR DISPERSION AND LUBRICATION**

### **COMPOSITION**

High molecular weight oxidized polyethylene wax.

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### **TYPICAL PROPERTIES**

Appearance	White fine granules
Dropping Point (°C)	131
Viscosity (150°C)	8000 – 12000 cps
Hardness (25°C)	<1 dmm
Bulk Density (kg/m <sup>3</sup> )	~ 470
Specific Gravity	0.96
Physiological Behavior	Refer to safety data sheet
Storage Stability	Unlimited under normal storage conditions.
Packaging	25 kg (55 lb) bag

### **RECOMMENDATIONS FOR APPLICATION**

STRUKTOL<sup>®</sup> PE(O)-300 is a versatile oxidized polyethylene wax used in elastomer and plastics applications. It is particularly useful as an external lubricant for rigid and plasticized PVC. It can be used in calendered film, extruded profiles such as pipe and siding, injection molding and compounding of masterbatches and colorants

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## DOSAGE

<b>Injection Molding</b> <i>(Opaque)</i>	V-HRW	0.7 – 1.5 phr	<b>Extrusion</b> <i>(Opaque)</i>	V-SSE	0.7 – 1.0 phr
	VLB-602 or V-PEAS	0.3 – 0.75 phr		VLB-602	0.4 – 0.8 phr
	PE(O)-300	0.07 – 0.15 phr		Calcium Stearate	0.7 – 1.0 phr
	Calcium Stearate*	0.3 – 1.0 phr		PE(O)-300	0.15 – 0.2 phr
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<b>Injection Molding</b> <i>(Clear)</i>	V-HRW	0.7 – 1.0 phr	<b>Extrusion</b> <i>(Clear)</i>	V-DSP	0.7 – 1.0 phr
	VLB-602 or V-PEAS	0.3 – 0.6 phr		VLB-602	0.3 – 0.6 phr
				PE(O)-300	0.1 – 0.3 phr
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<b>Calendering</b> <i>(Opaque)</i>	V-HRW	0.7 – 1.5 phr			
	VLB-602	0.5 – 0.75 phr			
	Calcium Stearate	0.3 – 0.75 phr			
	PE(O)-300	0.07 – 0.15 phr			

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

## FDA STATUS

STRUKTOL® PE(O)-300 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:

**175.105 176.200 176.210 177.1210 177.1390 177.2600 178.3120**

(12/5/2012)JMB/rca

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