

ADVALUBE™ B-4540

Specialty Lubricant

Description

ADVALUBE™ B-4540 is a lubricant specially formulated for rigid Vinyl foam.

General Characteristics

Properties	Typical Values
Appearance	White powder
Drop Melt Point °C	85

Benefits

- Specially formulated for optimal lubricity in Rigid Vinyl foam processing
- Provides excellent lubricity without lowering melt strength
- Lowers foam density while maintaining good cell structure

Typical Dosage

Dosage levels of between 1.0 - 2.0 phr are recommended.

Packaging

- 55 pound (25kg) PE bags
- 1000 pound (454kg) Supersacks

PMC Biogenix
1231 Pope St.
Memphis, TN 38108
USA
Customer Service
800 641 2152
or +1 901 325 4930
Fax 800 641 2153

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Specific Application

Vinyl Rigid Foam Compound Formulation		
Vinyl Resin (K = 58)	100.0 phr	100.0 phr
Azo Blowing Agent	0.2	0.3 - 0.5
Bicarbonate Blowing Agent	1.5	-
ADVASTAB™ TM-599A or TM-181FS	1.5	1.5
Calcium Stearate	0.5 - 0.8	0.3 - 0.6
Paraffin Wax (165°F)	0.6 - 1.0	0.4 - 0.6
ADVALUBE™ B-4540	1.0 - 1.2	1.0 - 1.4
Oxidized Polyethylene Wax	0.1	0.1
Lubricating Process Aid	0.5	0.5
High MW Process Aid	4.0	4.0
TiO ₂	1.0	1.0

Handling & Safety

Follow good manufacturing and handling practices. Store in cool, dry, well-ventilated area. Shelf life is 24 months.

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Environmental & Safety Information

BEFORE HANDLING THIS MATERIAL, READ AND UNDERSTAND THE MSDS (MATERIAL SAFETY DATA SHEET) FOR ADDITIONAL INFORMATION ON PERSONAL PROTECTIVE EQUIPMENT AND FOR SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION. For Environmental, Safety & Toxicology information, contact our Customer Service Department at 800-641-2152 or 901-325-4930 to request a Material Safety Data Sheet.

More Technical Information Available

Ask your PMC Biogenix account manager for further information about other high quality PMC Biogenix's additives for use in PVC resins, PVC alloys and other polymer systems. In addition, PMC Biogenix's Technical Service staff is available to assist compounders and processors to solve formulation and processing problems.

Thermolite® & ADVASTAB™ Heat Stabilizers

Thermolite® and ADVASTAB™ heat stabilizers are designed for use in the production of rigid, semi-rigid, foamed and flexible PVC products. PMC Organometallix has developed PVC heat stabilizers specifically for extruded siding, profiles and pipe, injection molding, blow molded bottles and calendered or extruded sheet. PMC Organometallix offers a full line of stabilizers that meet FDA requirements for food grade PVC packaging and a full line of NSF authorized stabilizers for PVC potable water pipe & fittings.

ADVAPAK™, ADVALUBE™ & ADVAWAX™ for Rigid PVC Lubrication

Biogenix offers a wide range of performance lubricants for PVC processing. ADVALUBE™ and ADVAWAX™ include every lubricant class from esters to amides to paraffin waxes. ADVAPAK™ lubricants are custom formulations to meet specific customer requirements. ADVALUBE™, ADVAWAX™ and ADVAPAK™ products find uses in PVC pipe, siding, window profiles, film and sheet, molding, fencing, decking and trim applications.

Biogenix Lubricants

PMC Biogenix's lubricants include Calcium, Zinc, Lithium, and Magnesium stearates that meet FDA requirements for food grade PVC packaging as well as NSF requirements for PVC potable water pipes & fittings. Our PVC lubricants such as Industrene®, Hystrene®, Kemester®, Kemamide® and heat stabilizers together offer a comprehensive PVC package for production of rigid, semi-rigid, foamed, and flexible PVC applications such as extrusion molding, injection molding, blow molding, calendering, siding, profiling, piping etc.

CrystalWax for Rigid PVC Lubrication

Crystal manufactures a broad range of standard blends utilizing paraffin and polyethylene waxes along with the option of blending EBS, GMS and other lubricating esters produced by PMC Biogenix. CrystalWax lubricants are also available in custom formulations to meet specific customer requirements. CrystalWax formulations find uses in PVC siding, window profiles, fencing, decking and trim applications to highlight a few.

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