

ADVAPAK™ S-1203

Lubricating Stabilizer

Description

ADVAPAK™ S-1203 is a stabilizer/lubricant one-pack designed for multiscrew extrusion of Vinyl pipe. The high heat stability of ADVAPAK™ S-1203 provides excellent early color performance with plenty of reserve for efficient use of regrind. Overall balanced lubrication allows efficient processing, even on large twin screw equipment. ADVAPAK™ S-1203 stabilizer/lubricant one-pack is available in the EZ-FLO™ bead form and is designed for better handling in automated blending equipment. ADVAPAK™ S-1203 is fully approved by NSF for use in the PPI-Generic Range Formulation.

General Characteristics

ADVAPAK™ S-1203 stabilizer/lubricant one-pack is a member of a family of multi-component products of slightly varying composition to meet the specific requirements of individual Vinyl pipe processors. Individual specifications are available for each product in this family. Please request this information from your PMC Biogenix, Inc. technical representative.

Properties	Typical Values
Form	EZ-FLO beads
Dropping Point °C	105–110
Bulk Density g/l	515
Specific Gravity (@ 25°C)	1.0

Applications & Features

Multi-functional one-pack for efficient extrusion of all types of Vinyl pipe at dosages of 1.60 to 2.45 phr. Replaces all lubricants and stabilizers, including metal release additives. Excellent heat stability for even the highest capacity heads and die systems used for large diameter pipe processing. Harder EZ-FLO beads are more easily handled in automated blending equipment. Offers simplified inventory control and additive handling by reducing the number of additives and minimizing blending errors. ADVAPAK™ S-1203 stabilizer/lubricant one-pack consistently gives uniform compounding due to its excellent dispersion properties. For special requirements, ADVAPAK™ S-1203 stabilizer/lubricant one-pack is easily supplemented with extra lubricants and/or stabilizers as needed.

Safety & Handling

Although ADVAPAK™ S-1203 stabilizer/lubricant one-pack poses no unusual toxicity problems, it contains a methyltin compound and should be handled with the same care as other chemical additives. Store in a cool, dry area. Use adequate ventilation. In case of contact with eyes, flush with water and get medical attention.

Standard Packaging

- 1000 pound (454kg) palletized, corrugated cartons

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Specific Applications

Potable Water Pipe	Use Level (phr)	Use Level (phr)
Resin (K-65)	100.0	100.0
ADVAPAK™ S-1203	–	1.7 - 2.4
ADVASTAB™ TM-694	0.4 - 0.8	–
Calcium Stearate	0.4 - 0.8	–
Paraffin Wax (165°F mp)	0.8 - 1.2	–
Oxidized Polyethylene Wax	0.1 - 0.2	–
Calcium Carbonate (0.8 µm)	3.0	3.0
Titanium Dioxide	0.5 - 1.0	0.5 - 1.0

Sewer Pipe	Use Level (phr)	Use Level (phr)
Resin (K-65)	100.0	100.0
ADVAPAK™ S-1203	–	1.9 - 2.4
ADVASTAB™ TM-694	0.3 - 0.5	–
Calcium Stearate	0.6 - 0.8	–
Paraffin Wax (165°F mp)	1.2 - 1.5	–
Oxidized Polyethylene Wax	0.1 - 0.2	–
Acrylic Impact Modifier	0 - 2.0	0 - 2.0
Calcium Carbonate (0.8 µm)	10.0 - 30.0	10.0 - 30.0
Titanium Dioxide	0.75 - 1.0	0.75 - 1.0

Drain/Waste/Vent	Use Level (phr)	Use Level (phr)
Resin (K-65)	100.0	100.0
ADVAPAK™ S-1203	–	1.7 - 2.4
ADVASTAB™ TM-694	0.3 - 0.5	–
Calcium Stearate	0.6 - 0.8	–
Paraffin Wax (165°F mp)	1.0 - 1.5	–
Oxidized Polyethylene Wax	0.1 - 0.2	–
Acrylic Impact Modifier	0 - 2.0	0 - 2.0
Calcium Carbonate (0.8 µm)	5.0 - 10.0	5.0 - 10.0
Titanium Dioxide	0.75 - 1.0	0.75 - 1.0

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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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