



Provisional Technical Datasheet

Product Name

SCGC PE WAX

Product Type

Oxidized High Density Polyethylene Wax

Product Grade

OX336P

Issue date 1 March 2022 (Valid for 1 year)

Product Description

OX336P is the oxidized high density polyethylene wax having unique properties produced from oxidization process. Our high technologies and processing control, resulting in good consistency of qualities with uniform color and physical characteristics of wax so it can be used in various applications.

Typical Application

- Rigid & Soft PVC including transparent products
- Water-based Inks, Paint and Coating
- Textiles Finishing

Product Characteristics

- Good lubricant and metal release
- Fusion control
- Easy emulsification with suitable polarity
- Excellent heat resistance
- Excellent hardness

International Compliance

- No SVHC according to REACH

Physical Properties

Property	Test Method	Typical Value	Unit
Viscosity @ 160 °C	ASTM D3236	4,000	cPs
Density	ASTM D1505	0.99	g/cm ³
Penetration Hardness	ASTM D1321	< 0.5	d.mm
Dropping Point	ASTM D3954	136	°C
Acid Number	ASTM D1386	30	mg KOH/g

Note: the given values are typical value measured on the product. Values herein are not to be constructed as a product specification.



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Processing Guidelines

The recommended melt temperature of SCG PE WAX is 150 - 180 °C. It is recommended to use mixing machine giving good homogenization.

Applications

Rigid & Soft PVC including transparent products
Water-based Inks, Paint and Coating
Textile Finishing

Recommendation

0.1 - 1.0 phr is recommended to provide fusion control and metal release. It can be used for transparent PVC applications without negative impact on clarity.
1-5 % is recommended to provide abrasion resistance and reduce coefficient of friction (COF).
25-40% is recommended to provide sewability of textile.

Product Technical Assistance

For technical assistance or further information on this product or any other SCG Chemicals' products contact your SCG Chemicals technical service at the address or telephone number as specified below.

Product Packaging

- White powder

Product Characteristics

- 20 kg loose bag
- 20 kg bag on pallet (pelletized wrap)

Storage and Handling

- Store in original container in tidy according to the manual of Handling and Storage from Thai Polyethylene Company Limited/ Thai Polypropylene Company Limited.
- Product(s) should be stored in dry and dust free location at temperature below 50°C and protected from direct sunlight and/or heat, well-ventilated area, away from incompatible materials and food and drink, as this may lead to quality deterioration, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.
- Keep container tightly closed, away from sharp objects, and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
- Keep lifting in right position with proper weight.
- The storage area should be stable and not be slopped.



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Safety

- The product is not classified as a hazardous material.
- Please see our Material Safety Data Sheet for details on various aspects of safety, recovery, and disposal of the products; for more information, contact your technical service.

Recycling

- The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.
- Please see our Material Safety Datasheet for details on various aspects of safety, recovery and disposal of the products; for more information, contact your technical service.

Related Documents

- The latest version of this document will be available at our website, www.scgchemicals.com, or can be obtained from SCG Chemicals technical service.
- The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.
 - Material Safety Datasheet
 - Statement on compliance to food contact regulations

Disclaimer

- The Applications specified herein is for reference only.
- It is customer's responsibilities to inspect and test the product for suitability of the customer's own use and purpose. The customer is responsible for appropriate, safe, legal use, processing and handling of the product.
- To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. We however do not assume any liability whatsoever for the accuracy and completeness of the information contained herein.
- We make no warranties which extend beyond the description herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose.
- No liability can be accepted in respect of the use of the product in conjunction with other materials. The information contained herein relates exclusively to the product when it is not used in conjunction with any third party's materials.