



Technical Data Sheet

Product Name
SCGC™ PE WAX

Product Type
Oxidized Low Density Polyethylene Wax

Product Grade
OX102P

Product Description

OX102P is the oxidized low-density polyethylene wax having unique properties produced from oxidization process. Our high technology and processing control resulted in good of qualities for use in various applications.

Typical Application

- Rigid & Soft PVC
- Textiles Finishing
- Water-Based Coating

Product Characteristics

- High hardness
- Good lubricity
- Good metal release
- Good heat stability
- Easy emulsification
- Provide abrasion resistance
- Consistent quality and supply

International Compliance

- RoHS Directive 2011/65/EU (Annex II)[amended by Directive(EU) 2015/863]
- Regulation (EC) No.1907/2006 (REACH)
- US FDA 21 CFR 177.1620

Physical Properties

Properties	Test Method	Typical Value	Unit
Viscosity at 140 °C	ASTM D 3236	200	cPs
Density	ASTM D 1505	0.94	g/cm ³
Penetration index	ASTM D 1321	≤ 3	d.mm
Dropping Point	ASTM D 3954	104	°C
Acid number	ASTM D 1386	16	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 130-190°C for PVC application and 120-150°C for textile finishing. It is recommended to use mixing machine giving good homogenization. The recommend dosage depend on the intended application which are shown below.:

Applications	Recommendation
Rigid & Soft PVC	0.1-2.0 phr is recommended to be lubricant for rigid and soft PVC
Textiles Finishing	8%-40% is recommended in emulsion to improve sewability of textile
Water-Based Coating	8%-50% is recommended in emulsion to improve surface protection

Product Technical Assistance

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

Product Available Form

- White powder

Product Packaging

- 20 kg loose bag
- 20 kg bag on pallet (palletized wrap)
- 500 kg big bag

Storage

- Store in original container in tidy according to the manual of Handling and Storage from Thai Polyethylene Co., Ltd.
- 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 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.
- The storage area should be stable and not be slopped.

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