



# Technical Data Sheet

Product Name  
**SCGC™ PE WAX**

Product Type  
**Polyethylene Homopolymer Wax**

Product Grade  
**WD2020P**

## Product Description

The distinguished class of polyethylene homopolymer wax with distinctive qualities known as WD2020P is created by the thermal cracking technology. Notwithstanding the SCGC™'s experience and cutting-edge technology, wax has a uniform color and physical properties that enable it to be utilized in a variety of applications.

## Typical Application

- Hot melt adhesive
- PVC compound
- Color masterbatch
- Rubber

## Product Characteristics

- Compatibility with polyolefins
- Excellent pigment wettability
- Excellent lubrication
- Excellent chemical resistance
- Good heat resistance and thermal stability

## International Compliance

- US FDA 21 CFR 175.105
- US FDA 21 CFR 178.3720
- Directive 2002/95/EC (RoHS) and Directive 2011/65/EU (RoHS Recast)
- Regulation (EC) No.1907/2006 (REACH)
- Directive 94/62/EC (Packaging and Packaging Waste)
- EN 71 Part3: 2013 European Standard on Safety of Toys

## Physical Properties

Properties	Test Method	Typical Value	Unit
Viscosity at 140	ASTM D 3236	150-250	°C
Density	ASTM D 1505	0.92	g/cm <sup>3</sup>
Penetration index	ASTM D 1321	2	d.mm
Softening Point	ASTM D 3954	107	°C

**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 is 130 - 150 °C. It is recommended to use mixing machine giving good homogenization. The recommend dosage depends on the intended applications which are shown below:

Applications	Recommendation
Hot melt adhesive	20 - 30% is recommended to reduce viscosity and adjust setting time of polyolefins, EVA base.
PVC compound	0.5 - 1.5 phr is recommended to be external lubricant for rigid PVC.
Color masterbatch	5 - 30% is recommended to improve pigment dispersion in polyolefins bases.
Rubber	2 - 10% is recommended to improve processability and additives dispersion.

## 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 (pelletized wrap)

## 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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