



TECHNICAL DATA SHEET

Product Name	SCG PE WAX
Product Grade	WD2040P

Product Type
Polyethylene Homopolymer Wax

Product Description

WD2040P is the polyethylene homopolymer wax having unique properties produced from thermal cracking 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

- 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)
- EN71 Part3: 2013 European Standard on Safety of Toys

Physical Properties

Property	Test Method	Typical Value	Unit
Viscosity @ 140 °C	ASTM D3236	350-450	cPs
Density	ASTM D1505	0.92	g/cm ³
Penetration Hardness	ASTM D1321	2	d.mm
Softening Point	ASTM D3954	109	°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.

Applications

Hot melt adhesive
PVC compound
Color masterbatch
Rubber

Function

Viscosity reduction and heat resistance improvement
Excellent lubrication
Dispersing agent
Viscosity reduction and lubricant

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 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 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 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.

