



Provisional Technical Data Sheet

Product Name
SCGC™ HDPE

Product Type
High Density Polyethylene

Product Grade
S197F

Product Description

SCGC™ HDPE S197F is a polyethylene designed especially for biaxially oriented film via a tenter frame technology of biaxially oriented PP film with or without machine modification. It can serve a recycle packaging trend by mono-material PE structure without compromising a packaging quality.

Typical Application

- BOPE film for food and non-food packaging
- BOPE film for recyclable packaging

Product Characteristics

- Good stretch ability
- Good dimensional stability

International Compliance

- US FDA 21 CFR 177.1520
- Regulation(EU) No.10/2011
- Packaging and Packaging Waste Directive 94/62/EC
- Chinese Regulation GB 4806.6 (2023)
- RoHS Directive 2011/65/EU

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate at 190 °C and 2.16 kg	ASTM D 1238	0.6 - 0.8	g/10 min
Density	ASTM D 1505	0.952 - 0.956	g/cm ³
Melting Point	ASTM D 3418	128 - 130	°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 actual processing condition depends on each machine type, size and film thickness. Generally, melt temperature should be around 220 to 250 Celsius and preferable temperature is 230 Celsius for core layer.

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

- Pellet

Product Packaging

- 25 kg loose bag
- 25 kg stretch wrap palletized
- 750 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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