



# Provisional Technical Data Sheet

Product Name  
 SCGC  
GREEN POLYMER

Product Type  
**High Density Polyethylene**

Product Grade  
**S197F**

## Product Description

SCGC™ 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 <sup>3</sup>
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.

## 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 SCG Chemicals technical services.



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## 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 SCG Chemicals technical services.

## Related Documents

- The latest version of this document will be available at our website, [www.scgchemicals.com](http://www.scgchemicals.com), or can be obtained from the SCG Chemicals technical services.
- The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.
  - Safety Data Sheet
  - Declaration of Compliance

## 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.