



TECHNICAL DATA SHEET

Product Type

Polypropylene Copolymer for Cast Film

Product Name

SCG PP

Product Grade

P350F

Product Description

SCG PP P350F is a polypropylene copolymer without slip and anti-blocking agent designed suitable for cast film process with good seal properties, excellent clarity and good stress whitening resistance.

Typical Application

- CPP retort film and general CPP film
- Food and non-food packaging
- Applications produced by cast film process

Product Characteristics

- Good seal properties
- Excellent clarity
- Good stress whitening resistance

International Compliance

- US-FDA 21 CFR 177.1520
- Regulation (EU) No. 10/2011

Note: Direct food contact is subjected to the extraction provisions of the regulation on the finished food contact package

Physical Properties

Property	Test Method	Typical Value	Unit
Resin Properties			
Melt Flow Rate	ASTM D 1238 @ 230 °C, 2.16 kg	3.2	g/10 min
Density	ASTM D 1505	0.900	g/cm ³
Melting Point	ASTM D 3418	161	°C
Heat Distortion Temperature (HDT)	ASTM D 648 @ 4.6 kgf/cm ²	92	°C
Izod Impact Strength	ASTM D 256 @ 23 °C	3.0	kJ/m
Flexural Modulus	MD/TD ASTM D 790	800	MPa
Film Properties			
Tensile Strength at Break	MD ASTM D 882	30	MPa
	TD ASTM D 882	8	MPa
Tensile Modulus, 2%Secant	MD ASTM D 882	350	MPa
	TD ASTM D 882	330	MPa
Elongation at Break	MD ASTM D 882	620	%
	TD ASTM D 882	620	%
Haze	ASTM D 1003	10	%
Seal strength testing			
- Before retort condition		> 2	kgf/15 mm
- After retort condition		> 2	kgf/15 mm

Film properties obtained from film produced on cast pilot line at TPE, 70 micron, Melt temperature 200-230 °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 200-230 °C.

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

- Pellet

Product Packaging

- 25 kg loose bag
- 25 kg stretch wrap palletized
- 750 kg big bag
- Sea-bulk container

Storage

- Store in original container in tidy according to the manual of Handling and Storage from Thai Polyethylene Company Limited.
- Product(s) should be stored in dry and dust free location at temperature below 50oC 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.
- This datasheet is valid for prime product specification only.
- For near and wide product specification, we do not recommend using in food contact application.
- 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 Plastics/SCG Performance Chemicals technical service.

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 Plastics/SCG Performance Chemicals technical service.



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Related Documents

- The latest version of this document will be available at our website, www.scgchemicals.scg.co.th, or can be obtained from the SCG Plastics/SCG Performance Chemicals technical service.
- The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.
 - Material Safety Datasheet
 - Statement on compliance to food contact regulations

Disclaimer

- The product can be used only for the application as specified hereabove.
- To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information.
- We make no warranties which extend beyond the description contained herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose.
- It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.
- No liability can be accepted in respect of the use of our products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.