



Technical Datasheet

Product Name

SCGC™ PP

Product Type

Polypropylene

Product Grade

P350F

Product Description

SCGC PP P350F is a polypropylene copolymer without slip and anti-blocking 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

Product Characteristics

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

International Compliance

- U.S FDA 21 CFR 177.1520
- Regulation (EU) No.10/2011
- Regulation (EC) No.1907/2006 (REACH)
- Directive 2011/65/EU (RoHS)

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 2117	161	°C
Vicat Softening Point	ASTM D 1525	140	°C
Flexural modulus	ASTM D 790	900	MPa
Film Properties			
Tensile Strength at Yield	ASTM D 882	MD: 20*, TD: 20*	MPa
Tensile Strength at Break	ASTM D 882	MD: 39*, TD: 25*	MPa
Tensile Modulus, 2% Secant	ASTM D 882	MD: 406*, TD: 370*	MPa
Elongation at Break	ASTM D 882	MD: 804*, TD: 656*	%
Haze	ASTM D 1003	13	%
Seal Strength (Before retort)	TPE Method	>2	kgf/15mm
Seal Strength (After retort)	TPE Method	>2	kgf/15mm

Note: - The given values are typical value measured on the product. Values herein are not to be constructed as a product specification.

- (*) Properties obtained from experiment on a pilot line, Film thickness 70 micron, MD = Machine Direction, TD = Transverse Direction.

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Processing Guidelines

The actual extrusion condition depends on type of using machine, size and film thickness of product required. Generally, melt temperature should be 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 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 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 unlabeled containers. Use appropriate containment to avoid environmental contamination.
- The storage area should be stable and not be slopped.

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