



Technical Data Sheet

Product Name
SCGC™ PP

Product Type
Polypropylene Resin

Product Grade
P602F

Product Description

SCG PP P602F is a homopolymer polypropylene resin without slip and antiblock agent. This grade is recommended for water-quenched blown film for thick packaging with excellent optical properties and high productivity.

Typical Application

- Food packaging
- Display bag such as garment or souvenir etc. (>100 microns)

Product Characteristics

- High productivity
- Excellent optical properties
- Blending with P601F for excellent clarity film
- Food contact applicable

International Compliance

- US FDA 21 CFR 177.1520
- Regulation (EU) No.10/2011
- Packaging and Packaging waste Directive 94/62/EC
- RoHS: Directive 2011/65/EU

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate	ASTM D 1238 @ 230 °C, 2.16 kg	10	g/ 10 min
Density	ASTM D 1505	0.910	g/cm ³
Melting Point	ASTM D 2117	160	°C
Film Properties			
Tensile Strength at Break	ASTM D 882	MD : 270*, TD : 100*	kg/cm ²
Tensile Modulus, 2% Secant	ASTM D 882	MD : 5500*, TD : 5300*	kg/cm ²
Elongation at Break	ASTM D 882	MD : 450*, TD : 100*	%
Haze	ASTM D 1003	2*	%

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 film produced on a pilot line at TPE, 35 micron, cooling water temperature 25 °C, MD = Machine Direction, TD = Transverse Direction. Conversion factor for changing unit from kg/cm² to MPa is divided by 10.2.

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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 190-210 °C, BUR = 1.5:1 is recommended, cooling water temperature not over than 20 °C.

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
- Seabulk 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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