



# Provisional Technical Data Sheet

Product Name

**SCGC™ PP**

Product Type

**Polypropylene**

Product Grade

**P905J**

## Product Description

SCGC PP P905J is a homopolymer polypropylene resin with high flowability, ultra clarity and good mechanical property balance. It is particularly designed for the injection moulding of transparent packaging.

## Typical Application

- Transparent packaging
- Thin wall injection products

## Product Characteristics

- High flowability
- Outstanding transparency
- Good stiffness and toughness balance

## International Compliance

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

## Physical Properties

Property	Test Method	Typical Value	Unit
Melt Flow Rate	ISO 1133-1 @ 230 °C, 2.16 kg	65	g/ 10 min
Density	ASTM D 1505	0.91	g/cm <sup>3</sup>
Flexural Modulus	ISO 178	1,650	MPa
Charpy Impact Strength	ISO 179 @ 23°C	2.5	kJ/m <sup>2</sup>
Tensile Strength at Yield	ISO 527	35	MPa
Haze at 1 mm	ASTM D 1003	20	%
Melting Point	ASTM D 2117	157	°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 conditions depend on each machine type, product size, mold design and environment.

Recommended processing condition:

Melt temperature: 210-230°C

Mold temperature: 10-50°C

Injection speed: Fast

Pressure: Injection 40-80%

Packing and Holding 30-60%

Back 10% of Max Pressure

## 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 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

## 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 sloped.

## Safety

- The product is not classified as a hazardous material.
- Please see our 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 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.

## 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.
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