



Technical Data Sheet	Product Name SCGC™ PP
Product Type Polypropylene Resin	Product Grade P1000J

Product Description

SCGC PP P1000J is a very high-flowability and high-crystallinity homopolymer polypropylene designed to optimize flow and stiffness performance for automotive compounding applications requiring thin-walled injection molding. It is also suitable as a base resin for fiber-reinforced polypropylene composites.

Typical Application

- Automotive part
- Thin wall design part
- Compounding base

Product Characteristics

- Excellent flowability and stiffness
- Excellent heat resistance
- Flow modifier

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate	ISO 1133 @ 230°C, 2.16 kg	170	g/10 min.
Flexural Modulus	ISO 178	2,300	MPa
Tensile Strength at Break	ISO 527	35	MPa
Charpy Impact Strength	ISO 179 @ 23°C	1	KJ/m ²
Heat Deflection Temperature	ISO 75 @ 0.45 MPa	125	°C

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

Processing Guidelines

Recommended processing conditions:

Processing temperature is around 210-250°C for injection. However, these conditions are only guideline for actual processing conditions should be adjusted case by case because it depends on machine types, screw configuration, product design, product quality and environment

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 Company Limited.



Technical Data Sheet	Product Name SCGC™ PP
Product Type Polypropylene Resin	Product Grade P1000J

- 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 sloped.

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.

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, 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.