



Technical Data Sheet	Product Name SCGC™ PP
Product Type Polypropylene Resin	Product Grade P1088J

Product Description

SCGC PP P1088J is a high flowability and high crystalline polypropylene impact copolymer which designed for thin wall injection molding. It has excellent properties in stiffness, flowability and balance impact strength. This resin is recommended for automotive compounding that require good surface aesthetics especially suppressed tiger mark after injection molding process. It is suitable for various automotive parts such as bumper and interior parts.

Typical Application

- Automotive part
- Thin wall design part
- Compounding base
- Large size industrial product

Product Characteristics

- Excellent flowability and stiffness
- Excellent heat resistance
- Good appearance

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate	ISO 1133 @ 230°C, 2.16 kg	110	g/10 min.
Flexural Modulus	ISO 178	1,650	MPa
Tensile Strength at Yield	ISO 527	33	MPa
Charpy Impact Strength	ISO 179 @ 23°C	5.0	KJ/m ²
Heat Deflection Temperature	ISO 75 @ 0.45 MPa	115	°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

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.
- 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.

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