



Technical Data Sheet

Product Name
SCGC™ PP

Product Type

Polypropylene Resin

Product Grade

P1085J

Product Description

SCGC PP P1085J is high crystalline polypropylene impact copolymer. It is designed for compounding base. This resin is recommended for automotive and appliance compounding products that require high melt flow rate for thin wall parts.

Typical Application

- Automotive exterior/interior parts
- Home appliances parts
- Complicated industrial parts
- Compounding

Product Characteristics

- Very high flowability
- Good stiffness and impact balance

International Compliance

- RoHS Directive 2011/65/EU
- Directive 2000/53/EC on ELV
- REACH Regulation (EC) No. 1907/2006

Physical Properties

Properties

Melt Flow Rate

Density

Flexural Modulus

Tensile Strength at Yield

Charpy Impact Strength

Rockwell Hardness

Heat Deflection Temperature

Test Method

ISO 1133 @ 230°C, 2.16 kg

ISO 1183

ISO 178

ISO 527

ISO 179 @ 23°C

ISO 2039-2

ISO 75 @ 0.45 MPa

Typical Value

130

0.910

1,150

26

4.0

95

95

Unit

g/10 min

g/cm³

MPa

MPa

kJ/m²

R-scale

°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 conditions:

Melt temperature: 210-250 °C

Mold temperature: 25-70 °C

Injection speed: Fast

Screw speed: 40-70 rpm

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 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
- The storage area should be stable and not be slopped.

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