



Technical Data Sheet	Product Name SCGC PP
Product Type Polypropylene Resin	Product Grade P808V

Product Description

P808V is polypropylene homopolymer with narrow molecular weight distribution made by SCGC novel catalyst technology designed for spunbond nonwoven. P808V exhibits high flowability, good thermal stability, gas fading resistance, and good spinnability. This product is suitable for production of low denier fiber spunbond nonwoven used for hygiene and healthcare products.

Typical Application

- Spunbond nonwoven fabric used for hygiene and healthcare product, agriculture and geotextiles

Product Characteristics

- High melt flow and narrow MWD
- Uniform melt flow rate
- Anti-gas fading
- Low gels
- Good spinnability

International Compliance

- U.S. FDA 21 CFR 177.1520

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate	ASTM D 1238 @ 230°C, 2.16 kg	35	g/10 min
Density	ASTM D 1505	0.91	g/cm ³
Tensile strength at yield	ASTM D 638	345	kg/cm ²
Elongation at yield	ASTM D 638	9	%
Flexural Modulus	ASTM D 790	14,000	kg/cm ²
Izod impact strength @ 23°C	ASTM D 256	30	J/m
Heat deflection temperature	ASTM D 648	116	°C

- Note:**
- The given values are typical value measured on the product. Values herein are not to be constructed as a product specification.
 - Conversion factor for changing unit from kg/cm² to MPa is divided by 10.20.

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Processing Guidelines

Recommended processing conditions

Processing temperature is around 220-240°C for extrusion. 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 service 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
- The storage area should be stable and not be sloped.

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