



TECHNICAL DATA SHEET

Product Type

Polypropylene Copolymer for extrusion coating/lamination

Product Name

SCG PP

Product Grade

P838C

Product Description

P838C is a polypropylene product which is specially designed for extrusion coating or lamination coating with PP substrate application. P838C can be used in several coating application for example coated woven bag, tarpaulin, laminated with PP substrate which is required stiffness of finish products.

Typical Application

- PP Woven bags
- Flexible Intermediate Bulk Containers
- Tarpaulin
- BOPP or paper lamination with PP Woven bags

Product Characteristics

- Good process ability
- Good adhesion with substrate
- Balance stiffness and impact strength

International Compliance

- Food Contact Compliance
- Environmental Legislations
- Regulation (EC) No.1907/2006 (REACH)

Physical Properties

Property	Test Method	Typical Value	Unit
Melt Flow Rate	ASTM D 1238 @ 230°C, 2.16 kg	26	g/10 min
Density	ASTM D 1505	0.9125	g/cm ³
Melting Point	ASTM D 2117	157	°C
Vicat Softening Point	ASTM D 1525	141	°C
Tensile Strength at Yield	ASTM D 638	280	kg/cm ²
Tensile Strength at Break	ASTM D 638	174	kg/cm ²
Elongation at Break	ASTM D 638	216	%
Flexural Modulus	ASTM D 790	11260	kg/cm ²
Haze	ASTM D 1003	9.6	%
Gloss	ASTM D 2457	38	%

Note:

- Conversion factor for changing unit from kg/cm² to MPa is divided by 10.20
- There results above are under SCG's condition and method from specific sample, should be not used for representative to lot product qualities



TECHNICAL DATA SHEET

Product Type

Polypropylene Copolymer for extrusion coating/lamination

Product Name

SCG PP

Product Grade

P838C

Processing Guidelines

Recommended processing conditions: Processing temperature around 290 – 310 °C with normal coating speed (40-100m/min). However, these conditions are only guideline for actual processing conditions should be adjusted case by case because it depends on machine type, screw configuration, product design 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 engineer 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 slopped.

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 Plastics/SCG Performance Chemicals technical service.

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 Plastics/SCG Performance Chemicals technical service.



TECHNICAL DATA SHEET

Product Type

Polypropylene Copolymer for extrusion coating/lamination

Product Name

SCG PP

Product Grade

P838C

Related Documents

- The latest version of this document will be available at our website, www.scgchemicals.com, or can be obtained from the SCG Plastics/SCG Performance Chemicals technical service.
- 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
 - Statement on compliance to food contact regulations

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.