



## Technical Data Sheet

Product Type  
**Thermoplastic elastomer for seal liner**

Product Name  
**SCGC™ Plastic Compound**

Product Grade  
**17804WHE**

### Product Description

17804WHE is a non-PVC compound based on polyolefin raw materials. The product is designed for cold molding and specially formulated for using as a gasket material in Roll-on-pilfer-proof (ROPP) caps for filling goods like soybean milk.

### Typical Application

- Sterilization process
- Beverage: Soybean milk

### Product Characteristics

- Excellent process ability and good sealing property
- Non heavy metal

### International Compliance

- Food contact applicable
  - Notification of Public Health (Thailand No. 295)
  - Overall migration and specific migration of heavy metal (EU10/2011)

### Physical Properties

| Properties                     | Test Method | Typical Value <sup>1</sup> | Unit                |
|--------------------------------|-------------|----------------------------|---------------------|
| Specific Gravity               | ASTM D 792  | 0.90                       | -                   |
| Hardness Shore A @15 sec       | ASTM D 2240 | 88                         | -                   |
| Tensile strength               | JIS K6723   | 396                        | kgf/cm <sup>2</sup> |
| Elongation at Break            | JIS K6723   | 682                        | %                   |
| Melt Flow Index (250°C, 15 kg) | ASTM D 1238 | 12.7                       | g/ 10 min.          |

**Note:** <sup>1</sup> The above give values are typical test results which should be used as a guide only, they do not from the whole or part of a specification or guarantee.



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### Processing Guidelines

The actual processing condition depends on each extruder machine type, screw type and also output needed etc. Generally, temperature at extruder should be around 150-200°C as sequence from feed throat to die head. The exceed temperature than 200°C might affect to appearance, color and typical property.

### 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

- 20 kg Loose bag

### Storage

- Store in original container in tidy according to the manual of Handling and Storage from Thai Polyethylene Company Limited/ Thai Polypropylene 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 odor generation and color 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 unlabeled 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 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.

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[www.scgchemicals.com](http://www.scgchemicals.com)



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### Related Documents

- The latest version of this document will be available at our website, [www.scgchemicals.com](http://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
  - Statement on compliance to food contact regulation.

### 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