



# Technical Data Sheet

Product Name  
**SCGC Plastic Compound**

Product Type  
**Thermoplastic elastomer for seal liner**

Product Grade  
**10908WHA**

## Product Description

10908WHA is a thermoplastic elastomer based on polyolefin raw materials. The product is designed for continuous compression molding and specially formulated for using as a gasket material in aluminium closures.

## Typical Application

- Hot filled beverage process (Fill temperature  $\leq 95^{\circ}\text{C}$ )
- Beverage: Energy or sport drink (resist in mild acid, base, and alcohol)

## Product Characteristics

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

## International Compliance

- Food contact applicable
  - Notification of Public Health (Thailand No. 295)
  - US FDA 21 CFR 177.1520

## Physical Properties

Properties	Test Method	Typical Value <sup>1</sup>	Unit
Specific Gravity	ASTM D 792	0.99	-
Hardness Shore D	ASTM D 2240	39	-
Tensile strength	JIS K6723	132	kgf/cm <sup>2</sup>
Elongation at Break	Jis K6723	608	%
Melt Flow Index (190°C, 2.16 kg)	ASTM D 1238	4.21	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 135-160°C as sequence from feed throat to die head.

## 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

- 20 kg Loose bag
- 20 kg bag stretch wrap palletized

## 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 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 Material Safety Datasheet for details on various aspects of safety, recovery and disposal of the products; for more information, contact your SCG Chemicals technical service.



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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 service.
- The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.
  - Material 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.
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