



Technical Data Sheet

Product Type
Thermoplastic elastomer for seal liner

Product Name
SCGC™ Plastic Compound

Product Grade
17801WHA

Product Description

17801WHA 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 metal crowns 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 ¹	Unit
Specific Gravity	ASTM D 792	0.90	-
Hardness Shore A @15 sec	ASTM D 2240	81	-
Tensile strength	JIS K6723	268	kgf/cm ²
Elongation at Break	JIS K6723	777	%
Melt Flow Index (250°C, 15 kg)	ASTM D 1238	93.5	g/ 10 min.

Note: ¹ 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 190-200°C as sequence from feed throat to die head. The exceed temperature than 190°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

- 800 kg Gaylord box
- 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.

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