



Technical Data Sheet

Product Type

Copolymer PVC

Product Name

SCGC PVC

Product Grade

GG700

Product Description

Polyvinyl Chloride Copolymer is white and free-flowing resins produced by suspension polymerization process. When compared to PVC homopolymer, this product provides better processibility by improving productivity, lowering torque and reducing processing temperature. The compatibility with additives can be improved which enhances mechanical properties of the finished products. Nevertheless, in the plasticized formulation, the plasticizer content can be reduced due to increase flexibility benefit of this material.

Typical Application

- Soft Profile eg. Wire and Cable, Gasket
- Rigid Profile eg. Conduit, Pipe
- Rigid Sheet eg. Cooling Tower Fills

Product Characteristics

- Ease for processing
- Enhance mechanical property
- Improve surface smoothness and glossy
- Increase flexibility

International Compliance

- Not contained of specified substance according to ROHs, EU
- Not intentionally use of substance listed on Substance of Very High Concern (SVHC) list, EU

Physical Properties

Properties	Test Method	Typical Value	Unit
K-Value	ISO – 1628-2	69	-
Apparent Bulk Density	ISO – 60	0.53	g/ml
Volatile Matter	ISO – 1269	0.06	%
Sieve Analysis	ASTM D – 1921		
• Retained on 250 micron		<2	%
• Retained on 75 micron		> 90	%
Residual VCM	ASTM D3749	< 1	ppm

Thai Plastic and Chemicals Public Company Limited





Technical Data Sheet	Product Name SCGC PVC
	Product Grade GG700
Product Type Copolymer PVC	

Processing Guidelines

PVC resin needs to be compounded with the properly additives by using standard mixing techniques. The optimum processing condition for each convertor depends on the formulation and the machine. Generally, the processing temperature is 120 to 170°C for soft products and 150 to 190°C for rigid products.

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

- White powder

Product Packaging

- 25 kg Small Bag
- 600 kg and 1,100 kg Flexy Bag
- 10 MT and 20 MT Tank Car

Storage

- Use with adequate ventilation. Avoid contact with eyes and skin. Good housekeeping measures should be used and accumulations of materials should be removed from settling areas.
- Polyvinyl Chloride can acquire a substantial static electrical charge. Handling and processing equipment should have an electrical grounding.
- Store and handle in accordance with all current regulations and standards. Container tightly closed and properly labeled. Store in a cool, dry area. Store in a well-ventilated area. Avoid heat, flames, sparks and other sources of ignition.
- Arrange product properly and correctly methods. For more information, please see "PVC User manual"

Thai Plastic and Chemicals Public Company Limited

