



# Technical Data Sheet

Product Name  
**SCGC™ PVC**

Product Type  
**PVC Paste Resin: Special Foam Series**

Product Grade  
**PF682**

## Product Description

SCGC PVC PF682 is a medium molecular weight homopolymer paste PVC resin, produced by TPC Paste Resin Co., Ltd. under OxyChem's HYBRID® Technology.

## Typical Application

- **Synthetic leather**  
Foam layer
- **Wallpaper**
- **Flooring**  
Foam layer for cushioned vinyl flooring, Yoga Mat

## Product Characteristics

- Give a very fine closed cell and homogeneous cell structure
- Give foam very high whiteness
- Foam achieved at high expansion levels
- Slightly Pseudoplastic rheology; give slightly high viscosity at low shear and low viscosity at high shear
- Good heat stability

## International Compliance

- RoHS Directive 2011/65/EU Annex II
- Best Practice Guidelines for PVC; Green Building Council of Australia (GBCA)

## Physical Properties

Properties	Test Method	Typical Value <sup>1</sup>	Unit
K-value	ISO-1628-2	69	-
Degree of Polymerization	refer JIS K 6721	1160	-
Brookfield Viscosity <sup>2</sup>	ASTM D1824 @ 20 rpm	63	Poise
Severs Viscosity <sup>3</sup>	RY-W-QC-E030	115	Poise
Volatile Content	ISO-1269 @ 110 °C	0.20	%

### Note:

<sup>1</sup> The above given 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.

<sup>2</sup> Brookfield viscosity at condition of 23±0.5°C, 2 hours after mixing, DOP 60 phr

<sup>3</sup> Severs viscosity at condition of 25±0.5°C, 2 hours after mixing, DOP 60 phr

Thai Plastic and Chemicals Public Company Limited





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### Processing Guidelines

The actual processing condition depends on each machine type, raw materials, formulation, mold design, production speed, etc. Generally, this product should be used at process temperature 180-210 °C with heat stabilizer additive for conventional oven.

### 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

- White powder

### Product Packaging

- 25 kg multi-layer paper bag
- 875 kg wooden pallet

### Storage

- Store in original container from TPC Paste Resin Company Limited.
- Product(s) should be stored in dry, cool and dust free location at temperature below 40 °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. Good housekeeping measures should be used
- Accumulations of PVC dust should be removed from setting areas to prevent dust explosion or source of fire.
- Avoid contact with eyes and skin
- 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.
- In order to avoid PVC compaction and pallets collapse, it is not recommended stacking pallets more than two layers.
- Recommend to use the product within 1 year, start from manufacturing date on package, to prevent the coagulation and any changing.
- Arrange product properly and correctly methods. For more information, please see "PVC Paste Resin User Manual"

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