



Technical Data Sheet

Product Name
SCGC™ PVC

Product Type
PVC Paste Resin: General Propose Series

Product Grade
PG740

Product Description

SCGC PVC PG740 is a high molecular weight homopolymer paste PVC resin, produced by TPC Paste Resin Co., Ltd. under OxyChem's HYBRID® Technology.

Typical Application

- **Synthetic leather**
Top layer
- **Tarpaulin**
Fabric coating, Conveyor belts
- **Flooring**
Top layer in flooring
- **Mesh and Net**
Strand, Mesh, Mesh coating
- **Gloves**
- **Automotive sealants & Mastic**
- **Toys and Tools**
Logo, Rotational molding product,
Tool handle, Terminal sleeve
- **Others**
Printing ink

Product Characteristics

- Low viscosity and good viscosity stability
- Good foam quality
- Excellent air release
- High physical strength
- Good heat stability

International Compliance

- RoHS Directive 2011/65/EU Annex II
- Best Practice Guidelines for PVC; Green Building Council of Australia (GBCA)
- Food contact applicable (complies with US FDA 21 CFR 175.300 Resinous and polymeric coatings)

Physical Properties

| Properties | Test Method | Typical Value ¹ | Unit |
|-----------------------------------|---------------------|----------------------------|-------|
| K-value | ISO-1628-2 | 74 | - |
| Degree of Polymerization | refer JIS K 6721 | 1480 | - |
| Brookfield Viscosity ² | ASTM D1824 @ 20 rpm | 30 | Poise |
| Severs Viscosity ³ | RY-W-QC-E030 | 87 | Poise |
| Volatile Content | ISO-1269 @ 110 °C | 0.20 | % |

Note:

¹ 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.

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

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

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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"

Safety

- The product is not classified as a hazardous material.
- Please see our Safety Data Sheet and PVC Paste Resin User Manual for details on various aspects of safety, recovery, and disposal of the products; for more information, contact your technical services.
- Although PVC paste resin by themselves will not support combustion, they will burn if continuously exposed to an open flame. It is, therefore, recommended to keep them away from heat sources.
- Inhalation of dust and vaporization of toxic vapor such as ammonia and residue vinyl chloride monomer (RVCM) may cause irritating to the respiratory system.
- Wear mask and safety glasses or goggles with high efficiency dust, mist and fume filters.
- Recommend to use the operating temperature in controlled range to prevent the resin burn or vaporization of toxic substance (see in PVC Paste Resin User Manual) or contact technical services.

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