



Technical Data Sheet

Product Name
SCGC PVC

Product Type
PVC Resin – General Grade

Product Grade
SP660

Product Description

Polyvinyl Chloride Homopolymer having medium molecular weights, is white and free-flowing resins produced by suspension polymerization process. The resin can easily blend with variety of additives to achieve desired qualities needed in many applications. Applications are ranging from general purpose to special products regarding customer's satisfactions.

Typical Application

- Rigid pipe, door and window frames, edge band, conduit, other rigid profiles

Product Characteristics

- High bulk density
- Good flow ability

International Compliance

- REACH Compliance, EU
- Food contact applicable* (US FDA CFR177.1975, US)
- Not contained of specified substances according to RoHS, EU

*This will legally not exempt the producers of final Food Contact articles to perform testing on their own products.

Physical Properties

| Properties | Test Method | Typical Value | Unit |
|-----------------------------|--------------|---------------|--------------|
| K-Value | ISO 1628 – 2 | 66.0* | - |
| Appearance Bulk Density | ISO 60 | 0.56 | g/ml |
| Volatile Matter | ISO 1269 | < 0.3 | % |
| Sieve Analysis | ASTMD 1921 | | |
| • Retained on 250 micron | | < 2 | % |
| • Retained on 75 micron | | > 90 | % |
| Impurity and Foreign Matter | ISO/R 1265 | < 10 | Specks/100sq |
| Residual VCM | ASTM D 3749 | < 1 | ppm |

Note: - The given values are typical value measured on the product. Values herein are not to be constructed as a product specification.
- * Corresponding Polymerization Degree = 1000



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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 170 to 210 °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

- Paper Bag 25 Kilograms
- Flexy Bag 550 and 1.100 Kilograms
- Tank Car 10 and 20 Metric Tons
- Sea bulk 17 Metric Tons

Storage

- Use with adequate ventilation. Avoid contact with eyes and skin. Good housekeeping measures should be used and accumulations of materials should be remove from 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.
- Recommend to use product within 1 year, start from manufacturing period which is referenced from lot number printed on package, to prevent any changing.
- Arrange product properly and correctly methods. For more information, please see “PVC User manual”

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.



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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.

Related Documents

- The latest version of this document will be available at our website, 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
 - PVC User Manual

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.
- No liability can be accepted in respect of the use of the product in conjunction with other materials. The information contained herein relates exclusively to the product when it is not used in conjunction with any third party's materials