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| Technical Data Sheet | Product Name SCGC PVC |
| | Product Type Copolymer 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 |



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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 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"

Safety

- The product is not classified as a hazardous material.
- Please see 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 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.

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.
 - 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