

Product Description

Polyvinyl Chloride Homopolymer having high molecular weight, 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. The Z series PVC resin is developed for high quality products which need clear surface and bright color.

Typical Application

- Inflatable Toy, Electrical Taper, Artificial Leather, Other Flexible Film and Sheets.
- Furniture Trim, Electrical Wire and Cable, Flexible Hose, Other Soft Profiles.
- Toy, Other Rigid and Flexible products.

Product Characteristics

- Good Initial Coloration
- Good Thermal Stability
- Good Electrical Resistance

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

Property	Test Method	Typical Value	Unit
K-Value	DIN 53726	71*	-
Apparent Bulk Density	ISO – 60	0.49	g/ml
Volatile Matter	ISO – 1269	< 0.3	%
Sieve Analysis	ASTMD – 1921		
<ul style="list-style-type: none"> • Retained on 250 micron • Retained on 75 micron 		0	%
Impurity and Foreign Matter	ISO/R – 1265	> 90	%
Fish eye	ISO/R – 1265	< 5	Specks/100sq.
Fish eye	TPC Method	< 5	Point/150 cm ²
Volume Resistivity	TPC Method	> 3 x10 ¹³	Ohm-cm

* Corresponding Polymerization Degree = 1300

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 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 our Material Safety Data Sheet for details on various aspects of safety, recovery, and disposal of the products; for more information, contact your SCG Plastics/SCG Performance technical service.

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 Plastics/SCG Performance Chemicals technical service.

Related Documents

- The latest version of this document will be available at our website, www.scgchemicals.co.th, or can be obtained from the SCG Plastics/SCG Performance 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 Datasheet
 - PVC User Manual

Disclaimer

- The product can be used only for the application as specified hereabove.
- To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information.
- We make no warranties which extend beyond the description contained herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose.
- It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.
- No liability can be accepted in respect of the use of our products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.