

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, Films and Sheets
- Furniture and Automotive Trim, Flexible Hose, Electrical Wire and Cable, Stretch Film, Other Rigid and 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	Unit	Typical Value
K-Value	DIN 53726	-	71 *
Apparent Bulk Density	ISO – 60	g/ml	0.49
Volatile Matter	ISO – 1269	%	< 0.3
Sieve Analysis	ASTMD – 1921		
■ Retained on 250 micron		%	0
■ Retained on 75 micron		%	> 90
Impurity and Foreign Matter	ISO/R - 1265	Specks/100sq.	< 5
Fish eye	TPC Method	Point/150 cm ²	< 5
Volume Resistivity	TPC Method	Ohm-cm	> 3 x10 ¹³

* 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

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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"

This Product is produced by Thai Plastic and Chemicals Public Company Limited



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