TECHNICAL DATA SHEET

Product Name	Product Grade
SCG PVC	SP660

Product Type: **PVC Resin - General Grade**

Product Description

Polyvinyl Chloride Homopolymer having medium 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. 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

Property	Test Method	Typical Value	Unit
K-Value	ISO - 1628-2	66*	-
Apparent Bulk Density	ISO - 60	0.57	g/ml
Volatile Matter	ISO - 1269	< 0.3	%
Sieve Analysis	ASTMD - 1921		
• Retained on 250 micron		1	%
• Retained on 75 micron		> 90	%
Impurity and Foreign Matter	ISO/R - 1265	< 10	Specks/100sq.
Residual VCM	ASTM D -3749	< 1	ppm

* Corresponding Polymerization Degree = 1000

SCG Plastics Co., Ltd. / SCG Performance Chemicals Co., Ltd.
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Published: August 2018

WESTLAKE PVC

Westlake Chemical Corp.
2801 Post Oak Blvd.
Houston, TX 77056
1-800-822-7529 or
225-685-2900

2060

Westlake 2060 is a low molecular weight, film and medical grade, vinyl suspension resin. Designed for clear and opaque, rigid injection and blow molding applications. This resin has good clarity, color and thermal stability. Kosher approved.

Suggested Applications
Westlake 2060 PVC resin is well suited for high flow injection and blow molding products.

TYPICAL PROPERTIES

Appearance (Visual Observation)	Free Flowing White Powder
K-value (ISO1628-2)	53
Inherent Viscosity (ASTM D5225)	0.60
Volatiles (%) (maximum)	0.35
Bulk Density (g/cc) (ASTM D1895)	0.53
Particle Size (ASTM D1921)	
Through 40 mesh (% minimum)	99.9
Through 200 mesh (% maximum)	7.0
ASTM Cell Classification (ASTM D1755)	GP1-16260

TECHNICAL DATA SHEET

Product Name	Product Grade
SCG PVC	SF580

Product Type: **PVC Resin - General Propose Grade**

Product Description

Polyvinyl Chloride Homopolymer having low 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. Applications are ranging from general purpose to special products regarding customer's satisfactions.

Typical Application

- Floor Tile.
- Rigid Foam Sheet, Other Rigid Profiles.
- Pipe Fitting, Screw Driver Handle, Other Rigid Products.

Product Characteristics

- Good Fusion Property
- Good Initial Coloration
- Excellent Thermal Stability

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	ISO – 1628-2	58 *	-
Apparent Bulk Density	ISO – 60	0.57	g/ml
Volatile Matter	ISO – 1269	< 0.3	%
Sieve Analysis	ASTM D – 1921		
- Retained on 250 micron		0	%
- Retained on 75 micron		> 90	%
Impurity and Foreign Matter	ISO/R – 1265	< 10	Specks/100sq.
Residual VCM	ASTM D –3749	< 1	ppm

* Corresponding Polymerization Degree = 700

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Published: August 2018

TECHNICAL DATA SHEET

Product Name	Product Grade
SCG PVC	SG660

Product Type: **PVC Resin - General Grade**

Product Description

Polyvinyl Chloride Homopolymer having medium 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. Applications are ranging from general purpose to special products regarding customer's satisfactions.

Typical Application

- Transparent Sheet, Floor Covering, Agriculture Sheet, Artificial Leather, Other Flexible Film and Sheets.
- Rigid Pipe, Electrical Wire and Cable, Flexible Hose, Stretch Film, Other Rigid and Soft Profiles.
- Electrical Plug, Shoe, Toy, Other Rigid and Flexible Products.

Product Characteristics

- Good initial Coloration
- Good Thermal Stability

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	ISO - 1628-2	66*	-
Apparent Bulk Density	ISO - 60	0.55	g/ml
Volatile Matter	ISO - 1269	< 0.3	%
Sieve Analysis	ASTM D - 1921		
- Retained on 250 micron		0	%
- Retained on 75 micron		> 90	%
Impurity and Foreign Matter	ISO/R - 1265	< 5	Specks/100sq.
Residual VCM	ASTM D -3749	< 1	ppm

* Corresponding Polymerization Degree = 1000

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Published: August 2018

TECHNICAL DATA SHEET

Product Name	Product Grade
SCG PVC	SG710

Product Type: **PVC Resin - General Grade**

Product Description

Polyvinyl Chloride Homopolymer having medium 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. Applications are ranging from general purpose to special products regarding customer's satisfactions.

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 Soft Products.

Product Characteristics

- 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	ISO - 1628-2	71*	-
Apparent Bulk Density	ISO - 60	0.49	g/ml
Volatile Matter	ISO - 1269	< 0.3	%
Sieve Analysis	ASTM D - 1921		
- Retained on 250 micron		0	%
- Retained on 75 micron		> 90	%
Impurity and Foreign Matter	ISO/R - 1265	< 5	Specks/100sq.
Residual VCM	ASTM D -3749	< 1	ppm

* Corresponding Polymerization Degree = 1300

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SHINTECH

Shintech Inc., 5618 Highway 332 East, Freeport, Texas 77541, (979) 233-7861

Polyvinyl Chloride Resin
Product Specifications

Effective Date: 06/02/14
Supersedes: 03/03/03

SE-950

General Description

Type :	Polyvinyl Chloride Homopolymer
Polymerization Process :	Suspension
Appearance :	White, free flow powder

Features and Uses

Extrusion :	Pipe, Siding, Profiles

Specification

Resin Properties	Unit	Specification Range	Test Method
Inherent Viscosity		0.890 – 0.920	ASTM D 1243
K Value ❶		65.7 – 67.1	ISO 1628-2
Bulk Density	lbs./ft.^{3}	33.0 – 37.0	ASTM D 1895
	g /cc	0.528 – 0.593	
Particle Size	%		ASTM D 1921
40 mesh on		0.5 maximum	
pan		5.0 maximum	
Average Particle Size	micron		ASTM D 1921
Volatile	%	0.3 maximum	ASTM D 3030
Residual VCM	ppm	1.0 maximum	EPA 107
Foreign Matter (10g PVC/Liter of water)		10 maximum	QAWT 1008
Resin Color(Hunter)			QAWT 1015
L value			
a value			
b value			

❶ K Value (reference) from a viscosity conversion table.

Product data sheet

S6721

sasol
reaching new frontiers

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Sasol Polymers
Chlor Vinyls Business

Date of Issue: August 2012

www.sasol.com/polymers

Sasol Polymers PVC suspension resin: S6721

Sasol Polymers PVC S6721 is a free flowing white powder produced by a suspension polymerisation process that ensures high purity and consistent quality. Its consistent apparent density, excellent heat stability and ideal molecular mass provide the optimal blend of high output and consistent gelation in rigid PVC extrusion, while its good plasticizer absorption makes it suitable for flexible and semi-rigid PVC applications.

Material properties - S6721

Property	Unit	Value	Test method
K-value	-	66-68	ISO 1628-2
Apparent density	g/l	550-570	ISO 60
Volatile matter	%	<0.3	ISO 1269
Particle size >250µm	%	<2.5	ISO 4610
Cold plasticiser absorption	%	21.5-24.5	ISO 4608

The data in the table above has been obtained from laboratory tests conducted on representative samples of Sasol Polymers PVC S6721 polymer. These values are for general guidance and more detailed information regarding specifications, formulations and the use of this product may be obtained from Sasol Polymers Chlor Vinyls Business Sales Office or Sasol Polymers Technology Services Centre. The contact details are listed above.

Applications - S6721

Conversion process	End product application	Intercode	
		S6721 Rigids & Flexibles	S6721 Film
Extrusion pipe	uPVC, mPVC and oPVC pressure pipe, solid and structured-wall sewer, soil and drain pipe, conduit	●	○
Extrusion - rigids	Gutters, ducting, window & general profiles	●	○
Extrusion - film	Shrink wrap, clear profiles	x	○
Extrusion - flexible	Cable, hose, tubing, cap sealants	●	○
Calendering - sheet	Tarpaulins, stationery	x	○
Calendering - sheet	Flooring sheets and tiles	●	x
Moulding - flexible	Footwear	●	○

Recommended intercode ● Suitable intercode ○ Not recommended x