

PVC Specification

TYPE	Grade	K value	Polymerization Degree	Bulk Density (g/c.c)	Volatile Matter (%)	VAC contain %	+42mesh Course particles %
MASS PVC	B-57	54.4~56.2	620 ± 30	0.60 ± 0.02	0.3 ↓	-	0.01 ↓
	B-57C	54.4~56.2	620 ± 30	0.60 ± 0.02	0.3 ↓	-	0.01 ↓
	B-60	58.0~59.7	740 ± 30	0.60 ± 0.02	0.3 ↓	-	0.01 ↓
	B-62S	59.4~61.1	790 ± 30	0.60 ± 0.02	0.3 ↓	-	0.01 ↓
	B-65C	65.6~67.0	1030 ± 30	0.57 ± 0.02	0.3 ↓	-	0.01 ↓
Suspension PVC	S-57	54.7~56.5	630 ± 30	0.57 ± 0.02	0.3 ↓	-	0.01 ↓
	S-58	56.8~58.6	700 ± 30	0.57 ± 0.02	0.3 ↓	-	0.01 ↓
	S-60	59.2~60.8	780 ± 30	0.55 ± 0.02	0.3 ↓	-	0.01 ↓
	S-65	65.6~67.0	1030 ± 30	0.50 ± 0.02	0.3 ↓	-	0.01 ↓
	S-65S	65.6~67.0	1030 ± 30	0.50 ± 0.02	0.3 ↓	-	0.01 ↓
	S-65D	65.6~67.8	1050 ± 50	0.56 ± 0.02	0.3 ↓	-	0.01 ↓
	S-70	69.7~71.5	1250 ± 50	0.48 ± 0.02	0.3 ↓	-	0.01 ↓
	S-70R	69.7~71.5	1250 ± 50	0.48 ± 0.02	0.3 ↓	-	0.01 ↓
	S-73R	72.2~73.6	1400 ± 50	0.47 ± 0.02	0.3 ↓	-	0.01 ↓
	S-75	72.9~74.3	1450 ± 50	0.47 ± 0.02	0.3 ↓	-	0.01 ↓
	S-80	77.0~77.9	1800 ± 50	0.46 ± 0.02	0.3 ↓	-	0.01 ↓

Test method :

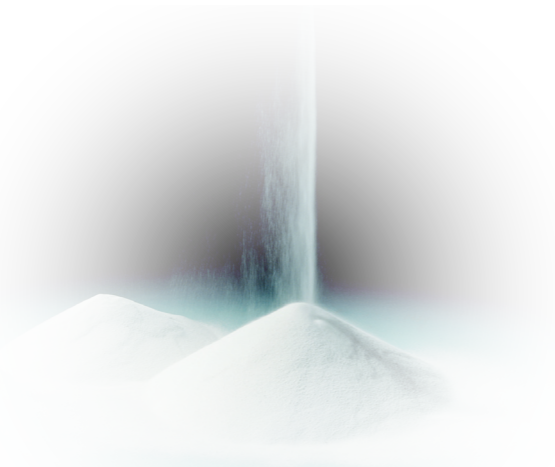
1. K Value : DIN 53726.
2. Polymerization degree 、Bulk Density 、Volatile Matter : JIS-K6721.
3. 42 mesh course particles : % course particles on 42 mesh sieve.

Application and Properties

TYPE	Grade	Properties	Application
MASS PVC	B-57	Mass PVC with excellent gelation and flow properties.	Used to manufacture rigid sheet and tiles, especially used for transparent bottles manufactured by extrusion and injection stretch or nonstretch blow molding machines.
	B-57C	Mass PVC with high bulk density, high porosity and narrow particle distribution, less fine powder.	Used for chlorinated poly vinyl chloride process to produce chlorinated poly vinyl chloride (CPVC).
	B-60	Mass PVC with excellent gelation, high bulk density, high clarity and high initial color properties.	Used for calendaring process of rigid film, sheet and extrusion or injection mold articles.
	B-62S	Mass PVC with excellent gelation properties, high clarity and high initial color properties.	Used for calendaring process of rigid film, sheet and extrusion or injection mold articles, and window profiles.
	B-65C	Mass PVC with high bulk density, high porosity and narrow particle distribution, less fine powder.	Used for producing chlorinated poly vinyl chloride (CPVC), which is produced by water slurry chlorination process.
Suspension PVC	S-57	Suspension PVC with excellent gelation property, very low melting viscosity, and high bulk density.	Used for extrusion, injection blow molding articles and calendaring process of rigid film, sheet. It also used for pipe fitting and foam board.
	S-58	Suspension PVC with good gelation and very high transparency properties.	Used for extrusion, injection blow molding articles and calendaring process of rigid film, and sheet. It also used for pipe fitting.
	S-60	Suspension PVC with good gelation and very high transparency properties.	Used for extrusion, injection blow molding articles and calendaring process of rigid film, and sheet. It also used for pipe fitting.
	S-65	Suspension PVC with good plasticizer absorption and good heat stability.	Used for soft application, flexible film, and other flexible articles. It also suits for cables and wires application.
	S-65S	Suspension PVC with good plasticizer absorption and good heat stability.	Used for transparent and white products due to the excellent initial color properties.
	S-65D	Suspension PVC with high bulk density and excellent initial color properties.	Used for rigid molding articles processing, particularly for extrusion process of rigid pipe with high extrusion quantity.
	S-70	Suspension PVC with good plasticizer absorption.	This resin is adapted for leather, flexible products by extrusion, injection molding and calendaring process.
	S-70R	Suspension PVC with high porosity, good plasticizer absorption and good electrical properties.	Used for extrusion, injection molding and calendaring or flexible products, especially for wires and cables.
	S-73R	Suspension PVC with high porosity, excellent plasticizer absorption and good electrical properties	Used for extrusion, injection molding and calendaring or flexible products, especially for wires and cables.
	S-75	Suspension PVC with very high porosity and good plasticizer absorption.	Used for calendaring process of film and sheet with excellent mechanical and physical properties, especially suitable for high insulating wires and cables.
	S-80	Suspension PVC with excellent porosity and plasticizer absorption enhance the flexibility and elasticity of finishing products.	Used for versatile process of excellent mechanical and high elastic purpose products.

Packages :

1. Jumbo Bag : 1.0 or 1.1 MT packed in PP jumbo bag with pallet, containerized ship.
2. 25 KG bags : 25 KG PP woven bag with PE inner bag.



PVC Specification

TYPE		Grade	K value	Polymerization Degree	Bulk Density (g/c.c)	Volatile Matter (%)	VAC contain %	+42mesh Course particles %
Paste Resin	Micro-suspension	PR-L	65	1000 ± 100	0.30 ± 0.05	0.5 ↓	-	-
		PR-M	72	1300 ± 100	0.30 ± 0.05	0.5 ↓	-	-
		PR-F	75.5	1600 ± 100	0.30 ± 0.05	0.5 ↓	-	-
		PR-G	76.5	1700 ± 100	0.30 ± 0.05	0.5 ↓	-	-
Mat PVC		C-1250M	~70	~1250	0.36 ± 0.04	0.5 ↓	-	0.01 ↓
Copolymer	C-8	59.2~61.9	800 ± 50	0.50 ± 0.03	2.0 ↓	8.0 ± 1.0	0.01 ↓	
	C-15	48.7~51.7	450 ± 50	0.58 ± 0.03	2.0 ↓	12.5 ± 1.0	0.01 ↓	
	C-15C	58.6~61.4	780 ± 50	0.50 ± 0.03	2.0 ↓	12.5 ± 1.0	0.01 ↓	

Test method :

1. K Value : DIN 53726.
2. Polymerization degree 、Bulk Density 、Volatile Matter : JIS-K6721.
3. 42 mesh course particles : % course particles on 42 mesh sieve.

Impact Modifier for PVC Specification

TYPE	Grade	Bulk Density (g/cm ³)	Moisture (%)	Thermal Stability	Transparency	Normal temp I-zod impact (kg/cm-cm)	Low temp I-zod impact (kg/cm-cm)
M-series (Butadiene type)	M-61	0.3 ↑	1.0 ↓	●●●	●●●●●	●	●
	M-31	0.3 ↑	1.0 ↓	●●●	●●●●	●○	●○
	M-41	0.3 ↑	1.0 ↓	●●○	●●●	●●●	●●○
	M-48	0.3 ↑	1.0 ↓	●●○	●●○	●●●●	●●●
	M-51	0.3 ↑	1.0 ↓	●●	●●	●●●●○	●●●●
	M-505	0.3 ↑	1.0 ↓	●●	●●	●●●●●	●●●●○
A-series (Acrylate type)	A-607	0.3 ↑	1.0 ↓	●●●●	●●	●●●●●	●●●○

Test method :

1. Higher Quantities of ● means the Better Performance, ● > ○ .

Application and Properties

TYPE		Grade	Properties	Application
Paste Resin	Micro-suspension	PR-L	Great foam-ability and whiteness.	Wallpaper, artificial leather, and carpet adhesive.
		PR-M	Low viscosity, good foam-ability and heat stability.	Leather, canvas, and tarpaulins.
		PR-F	Suitable viscosity.Good foam and strength.	Gloves, foam leather, toys and dolls.
		PR-G	Low viscosity. Great clarity and transparency.	Gloves and toys. Transparent goods.
Mat PVC		C-1250M	Lower gloss value as well as excellent dry mat surface finish.	Used for injection, calendering, and extrusion of flexible products.
Copolymer	C-8	Suspension VC/VAC copolymer with low melt viscosity.	Used for the manufacture of rigid plates, tiles, printing inks, surface treatment agent, etc.	
	C-15	Suspension VC/VAC copolymer with very low melt viscosity and excellent flow properties.	Used for protective coatings, printing inks and tiles.	
	C-15C	Suspension VC/VAC copolymer with low melt viscosity.	Used for credit card and tiles application.	

Packages :

1. Jumbo Bag : 300KG or 1.1 MT packed in PP jumbo bag with pallet, containerized ship.
2. 25 KG bags : 25 KG PP woven bag with PE inner bag or 25 KG paper bag with laminated (without pallet).

Application and Properties

TYPE	Grade	Properties	Application
M-series (Butadiene type)	M-61	Excellent transparency and little haze, excellent thermal molding, low stress, whitening, odorless, free flow, and PL approval.	Used for film, sheet, and plate.
	M-31	Enhance fusion, excellent transparency, excellent thermal molding, low stress, whitening, odorless, free flow, and PL approval.	Used for film, sheet, and plate.
	M-41	Good impact strength, good transparency, excellent thermal molding, oil resistance, odorless, free flow, and PL approval.	Used for film, sheet, plate, and pallet.
	M-48	Excellent impact strength, good transparency, odorless, and PL approval.	Used for film, sheet, plate, pallet, and mold pipe.
	M-51	Excellent impact strength (low temperature), good melting strength, good fusion behavior, odorless, free flow, and PL approval.	Used for film, sheet, plate, pallet, and mold pipe.
	M-505	Excellent and high level impact strength (low temperature), good melting strength, good fusion behavior, odorless, free flow, and PL approval.	Used for film, sheet, and pallet, pellet and mold pipe.
A-series (Acrylate type)	A-607	Good impact strength, excellent weatherability, excellent thermal molding, and PL approval.	Used for film, sheet, plate, pallet, and mold pipe.

Packages :

1. Jumbo Bag : 400 KG packed in PP jumbo bag with pallet, containerized ship.
2. 20 KG bags : 20 KG paper bag.