

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-60S	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-65	65.6~67.0	1030±30	0.57±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	620 ± 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	0.48±0.02	0.3 ↓	-	0.01 ↓
	S-65D	65.6~67.8	1050±50	0.55±0.02	0.3 ↓	-	0.01 ↓
	S-70	69.7~71.5	1250±50	0.47±0.02	0.3 ↓	-	0.01 ↓
	S-70R	69.7~71.5	1250±50	0.47±0.02	0.3 ↓	-	0.01 ↓
	S-73R	72.2~73.6	1400±50	0.46±0.02	0.3 ↓	-	0.01 ↓
	S-75	72.9~74.3	1450±50	0.45±0.02	0.3 ↓	-	0.01 ↓
	S-80	77.0~77.9	1800±50	0.45±0.02	0.3 ↓	-	0.01 ↓
	S-85	82.6~84.3	2500±100	0.45±0.02	0.3 ↓	-	0.01 ↓
	S-90	87.7~90.5	3000±100	0.41±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-60S	Mass PVC with excellent gelation properties, high bulk density, high clarity and high initial color properties.	Used for calendaring process of rigid film, sheet and extrusion or injection mold articles, especially used for high transparent rigid plate.
	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-65	Mass PVC with excellent gelation and flow properties.	Used for extrusion process of rigid pipe and large size rigid pipe.
	B-65C	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).
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 high ratio of plasticizer absorption enhance the flexibility and elasticity of finishing products.	Used for versatile process of excellent mechanical and high elastic purpose products.
	S-85	Suspension PVC with excellent porosity and high ratio of plasticizer absorption enhance the flexibility and elasticity of finishing products.	Used for versatile process of excellent mechanical and high elastic purpose products.
	S-90	Suspension PVC with with super high degree of polymerization. It possesses outstanding plasticizer absorption and superior mechanical properties in final products.	Used for the medical devices or some products required high elasticity or mechanical strength.

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 or 25 KG paper bag with laminated (without pallet).



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	0.40±0.03	0.5 ↓	-	0.01 ↓
Copolymer	C-8	58.9~61.6	800±50	0.50±0.03	2.0 ↓	8.0±1.0	0.01 ↓
	C-15	47.8~51.2	450±50	0.50±0.03	2.0 ↓	12.5±1.0	0.01 ↓
	C-15C	59.0~60.8	780±50	0.58±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	Tensile Strength (Kg/cm ²)	Hardness Shore D	Elongation (%)
MBS	M-31	0.3 ↑	1.0 ↓	●●●	539	75~79	338
	M-41	0.3 ↑	1.0 ↓	●●○	570	75~78	379
	M-51	0.3 ↑	1.0 ↓	●●	590	76~78	358
	M-61	0.3 ↑	1.0 ↓	●●●	541	76~78	390
	M-81	0.3 ↑	1.0 ↓	●●○	560	75~78	380
	M-48	0.3 ↑	1.0 ↓	●●○	585	75~78	358
	A-607	0.3 ↑	1.0 ↓	●●●●	500	78~81	410

Test method :

1. Higher Quantities of ● means the Better Performance, ● > ○ .
2. Tensile Strength : JIS K-6745.
3. Elongation : JIS K-P6745.

Application and Properties

TYPE	Grade	Properties	Application	
Paste Resin	Micro-suspension	PR-L	Low molecular weight,excellent foamability and foam whiteness, due to the paste having a low viscosity, the filler can be added to high dose.	Wallpaper, foam leather, foaming products, yoga mats and carpet adhesive.
		PR-M	Low to medium Brookfield viscosity, good foamability in a wide range of recipe and good stability of plastisol.	Foam leather, canvas, yoga mats
		PR-F	Suitable viscosity, good air release, good foaming, excellent strength, excellent yield value and excellent Hegman scratch.	Used for foam leather, gloves, toys and dolls.
		PR-G	Low viscosity and high transparency.	Used for gloves, soft toy, dipping, rotational molding, slush molding and casting molding.
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 : 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 or 25 KG paper bag with laminated (without pallet).

Application and Properties

TYPE	Grade	Properties	Application
MBS	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-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-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-81	Excellent transparency, excellent thermal molding, odorless, free flow, and PL approval.	Used for film, sheet, and pallet.
	M-48	Excellent impact strength, good transparency, odorless, and PL approval.	Used for film, sheet, plate, pallet, and mold pipe.
	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. 25 KG bags : 20 KG paper bag with laminated (without pallet).