

PVC Specification

TYPE		Grade	K value	Polymerization Degree	Bulk Density (g/c.c)	Volatile Matter (%)	VAC contain %	+42mesh Course particles %
MASS PVC		B-57	54.1~56.0	620±30	0.60±0.02	0.3 ↓	-	0.01 ↓
		B-60	57.8~59.4	740±30	0.60±0.02	0.3 ↓	-	0.01 ↓
		B-60S	57.8~59.4	740±30	0.60±0.02	0.3 ↓	-	0.01 ↓
		B-62S	59.4~60.8	790±30	0.60±0.02	0.3 ↓	-	0.01 ↓
		B-65	64.6~66.0	1030±30	0.57±0.02	0.3 ↓	-	0.01 ↓
Suspension PVC		S-58	56.6~58.3	700±30	0.57±0.02	0.3 ↓	-	0.01 ↓
		S-60	59.2~60.6	780±30	0.55±0.02	0.3 ↓	-	0.01 ↓
		S-65	64.6~66.0	1030±30	0.50±0.02	0.3 ↓	-	0.01 ↓
		S-65S	64.6~66.0	1030±30	0.48±0.02	0.3 ↓	-	0.01 ↓
		S-65D	65.7~67.1	1050±50	0.55±0.02	0.3 ↓	-	0.01 ↓
		S-70	69.6~71.5	1250±50	0.47±0.02	0.3 ↓	-	0.01 ↓
		S-70R	69.6~71.5	1250±50	0.47±0.02	0.3 ↓	-	0.01 ↓
		S-75	73.4~75.2	1450±50	0.45±0.02	0.3 ↓	-	0.01 ↓
		S-80	79.4~81.1	1800±50	0.45±0.02	0.3 ↓	-	0.01 ↓
		S-85	89.0~97.0	2500±200	0.35±0.02	0.3 ↓	-	0.01 ↓
Blending Resins		SPR-D	69.6~71.5	1250±50	0.47±0.02	0.3 ↓	2.0~3.0	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 ↓
Mat PVC		C-800	~60	~1000	0.43±0.03	0.5 ↓	-	0.01 ↓
		C-1250M	~70	~1250	0.40±0.03	0.5 ↓	-	0.01 ↓
Paste Resin	Micro-suspension	PR-F	75.5~78.5	1600±100	0.30±0.05	0.5 ↓	-	-
		PR-G	77.5~81.0	1700±100	0.30±0.05	0.5 ↓	-	-
		PR-H	101~105	3000±100	0.30±0.05	0.5 ↓	-	-
	Emulsion-suspension	PR-450	63.0~68.0	1000±100	0.25±0.05	0.5 ↓	-	-
		PR-458	~60	800±100	0.30±0.05	0.5 ↓	-	-
		PR-415	73.0~76.5	1450±100	0.25±0.05	0.8 ↓	-	-
		PR-1069	77.5~81.0	1750±100	0.25±0.05	0.5 ↓	-	-
	PR-1200	66.6~67.8	1,100±50	0.25±0.05	0.5 ↓	-	-	

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 for compounding with copolymer C-8/C-15 to manufacture rigid sheet and tiles, especially used for transparent bottles manufactured by extrusion and injection stretch or nonstretch blow molding machines.
		B-60	Mass PVC with excellent gelation, high bulk density, high clarity and high initial color properties.	Used for calendering 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 calendering 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 calendering 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.
Suspension PVC		S-58	Suspension PVC with good gelation and very high transparency properties.	Used for extrusion, injection blow molding articles and calendering 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 calendering 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 high porosity, good plasticizer absorption and good electrical properties.	Used for extrusion, injection molding and calendering or flexible products, especially for wires and cables.
		S-70R	Suspension PVC with high porosity, good plasticizer absorption and good electrical properties.	Used for extrusion, injection molding and calendering or flexible products, especially for wires and cables.
		S-75	Suspension PVC with very high porosity and good plasticizer absorption.	Used for calendering process of film and sheet with excellent mechanic 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.
Blending Resins		SPR-D	Blending PVC resin with coarse particle size approximate 50 µm is used as viscosity depressing.	SPR-D is mixed with paste resin such as PR-415, PR-450, PR-500, PR-1069 and PR-F to make floor covering, automobile products and molding products such as dolls and toys, etc.
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.
Mat PVC		C-800	Lower gloss value as well as excellent dry mat surface finish. It also can be used to prevent blocking of films and sheeting.	Used for injection, calendering, and extrusion of rigid products.
		C-1250M	Lower gloss value as well as excellent dry mat surface finish.	Used for injection, calendering, and extrusion of flexible products.
Paste Resin	Micro-suspension	PR-F	Suitable viscosity, good air release, good foaming, excellent strength, excellent yield value and excellent Hegman scratch.	Used for foam leather, foaming products, gloves, toys and dolls.
		PR-G	Low viscosity and high transparency.	Used for soft toy, dipping, rotational molding, slush molding and casting molding.
		PR-H	Low viscosity, excellent heat stability, excellent mechanical property and abrasion resistance.	Used for dipping, gloves, belt and others which are as high physical properties.
	Emulsion-suspension	PR-450	Suitable viscosity and excellent foaming.	Used for floor covering, wall covering, foam sheet, and casting leather.
		PR-458	Suitable viscosity, excellent formability and cell structure of foaming products with high charging amount of filler as CaCO ₃ .	Used for floor covering, wall covering, foam sheet, casting leather and automotive accessories.
		PR-415	Low viscosity, easy mold release and excellent heat stability.	Used for doll, toy, boots and automobile accessories.
		PR-1069	Low viscosity, excellent mechanical property, abrasion resistance, water resistance and excellent clarity.	Used for wear layer of floor covering, casting leather, top or surface, coating and toy.
	PR-1200	Low viscosity, excellent clarity and heat stability.	Used for flooring wear layers, traffic cones, conveyor belting, automotive interior parts, low density chemical blow foam, strand coatings and screen printing inks.	

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).