

FORMOLON

Polyvinyl Chloride Resin

GRADE LIST-CONDENSED

HOMOPOLYMER	MASS	B-57 B-60
HOMOPOLYMER	SUSPENSION	S-60 S-65 S-65S S-70 S-75 S-80 S-85
COPOLYMER	SUSPENSION	C-8 C-15 C-15C
MAT	SUSPENSION	C-1250M
PASTE	MICROSUSPENSION	PR-F
PASTE.....	EMULSION	PR-415 PR-450 PR-1069

PVC Specifications

Type	Grade	Code	K Value	Specification				
				Polymerization degree	Bulk Density g/cm ³	Volatile Matter %	VAc contain %	+42mesh Course particles %
Mass PVC	B-57	T	54.1~56.0	620±30	0.60±0.02	0.3 % max	---	<0.01 %
	B-60	T	57.8~59.4	740±30	0.60±0.02	0.3 % max	---	<0.01 %
Suspension PVC	S-60	T	59.2~60.6	780±30	0.55±0.02	0.3 % max	---	<0.01 %
	S-65 S	F	64.6~66.0	1030±30	0.48±0.02	0.3 % max	---	<0.01 %
	S-65	F	64.6~66.0	1030±30	0.50±0.02	0.3 % max	---	<0.01 %
	S-65	R	64.6~66.0	1030±30	0.52±0.02	0.3 % max	---	<0.01 %
	S-65	D	65.7~67.1	1050±30	0.55±0.02	0.3 % max	---	<0.03 %
	S-70		69.6~71.5	1250±50	0.47±0.02	0.3 % max	---	<0.01 %
	S-75		73.4~75.2	1450±50	0.45±0.02	0.3 % max	---	<0.01 %
	S-80		79.4~81.1	1800±50	0.45±0.02	0.3 % max	---	<0.01 %
	S-85		89.0~97.0	2500±200	0.35±0.02	0.3 % max	---	<0.01 %
Copolymer	C-8		58.9~61.6	800±50	0.50±0.03	2.0 % max	8.0 ± 1.0	<0.01 %
	C-15		47.8~51.2	450±50	0.55±0.03	2.0 % max	12.5 ± 1.0	<0.01 %
	C-15C		58.3~61.6	780±50	0.50±0.03	2.0 % max	12.5 ± 1.0	<0.01 %
Mat PVC	C-1250M		ca 70.6	ca 1250	0.43±0.03	0.8 % max	---	<0.01 %
Paste Resin	PR-F		78.6~79.6	1600±100	0.25±0.05	0.5 % max	---	---
	PR-415		72.5~76.0	1450±100	0.25±0.05	0.8 % max	---	---
	PR-450		62.9~66.4	1000±100	0.25±0.05	0.5 % max	---	---
	PR-1069		76.9~81.1	1750±100	0.25±0.05	0.5 % max	---	---

Test method: K Value: DIN 53762

Polymerization degree 、Bulk Density 、Volatile Matter: JIS-K6721

42 mesh course particles: % course particles on 42 mesh sieve °

Code: T: Transparent F: Flexible R: Rigid D: High Bulk Density

Application and special properties

Type	Grade	Code	Application and special properties
Mass PVC	B-57	T	Mass PVC with excellent gelling and flow properties. Used for compounding with copolymer C-8 or 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	T	Mass PVC with excellent gelling, high bulk density, high clarity and high initial color properties. Used for calendering process of rigid film, sheet and extrusion or injection mold articles.
Suspension PVC	S-60	T	Suspension PVC with good gelling and very high transparency properties. Used for extrusion, injection blow molding articles and calendering process of rigid film, sheet.It also suitable for pipe fitting.
	S-65 S	F	Suspension PVC with the same properties and application as S-65F. Due to the excellent initial color prosperities especially used for transparent and white products.
	S-65	F	Suspension PVC with good plasticizer absorption and good heat stability. This resin is intended for calendering process of flexible film,sheet,leathers,luggage etc.It also suitable for wires and cables.
	S-65	R	Suspension PVC with good gelling properties, Used for extrusion process of rigid pipe, large size rigid pipe.
	S-65	D	Suspension PVC with high bulk density, This resin is intended for rigid molding articles processing, particularly for extrusion process of rigid pipe with high extrusion quantity , window profiles.
	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-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 finish products. This resin is 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 finish products. This resin is used for versatile process of excellent mechanical and high elastic purpose 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, excellent flow properties and good solubility in ketone solvent. Specially suitable for protective coatings, printing inks and tiles.
	C-15C		Suspension VC/VAc copolymer with very low melt viscosity, Used for credit cards application.
Mat PVC	C-1250M		Special suspension PVC with a dry mat surface finish. Used for injection, extrusion and calendering processing.
Paste Resin	PR-F		Microsuspension PVC paste resin with suitable viscosity and yield value, excellent mold release. Its foam products has excellent elasticity and softness, no order emitted during processing. Specially used for the manufacture of foam leather and molding dolls or toy products,gloves and other dipping products.
	PR-415		Emulsion PVC paste resin with low viscosity, good air release, easy mold release properties and excellent heat stability render it suitable for slush and rotational molding, such as flexible or rigid dolls, toys, boots, automobile accessories etc.
	PR-450		Emulsion PVC paste resin with low viscosity, and excellent foam ability. Especially suitable for various chemical foam products such as floor covering, wall covering, foam sheet, casting leather and suitable for mechanical foam products.
	PR-1069		Emulsion PVC paste resin with low viscosity, and excellent mechanical property, abrasion resistance, water resistance and excellent clarity make it suitable for the wear layer of floor covering and casting leather.

Packages:

- 1. Jumbo Bag: 1.1MT PP woven bag with or without PE inner bag.
1.0MT PP woven bag with or without PE inner bag.
- 2. 25kg bags: 25kg PP woven bag with PE inner bag.
25kg kraft paper bag.