FORMOSA PLASTICS CORPORATION

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↓
Suspension PVC		S-60	59.2~60.6	780±30	0.55±0.02	0.3↓	-	0.01↓
		S-65S	64.6~66.0	1030±30	0.48±0.02	0.3↓	-	0.01↓
		S-65F	64.6~66	1030±30	0.50±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-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↓
Blending Resins		SPR-D	63.0~68.0	1000±100	0.48±0.05	0.8↓	3.0	-
Copolymer		C-8	58.9~61.6	800±50	0.55±0.02	2.0↓	8.0±1.0	0.01↓
		C-15	47.8~51.2	450±50	0.48±0.02	2.0↓	12.5±1.0	0.01↓
Mat PVC		C-1250M	~70	~1250	0.43±0.03	0.3↓	-	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↓	-	-
	Emulsion	PR-500	73.0~76.5	1450±100	0.25±0.05	0.5↓	-	-
		PR-450	63.0~68.0	1000±100	0.25±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↓	-	-

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

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Application and Properties

TYPE		Grade	Properties	Application
MASS PVC		B-57	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	Mass PVC with excellent gelling, high bulk density, high clarity and high initial color properities.	Used for calendering process of rigid film,sheet and extrusion or injection mold articles.
Suspension PVC		S-60	Suspension Pvc with good gelling and very high transparancy properties.	Used for extrusion,injection blow molding articles and calendering process of rigid film,sheet.It also used for pipe fitting.
		S-65S	Suspension Pvc with good plasticizer absorption and good heat stability.	Due to the excellent initial color properties, especially used for transparent and white products.
		S-65F	Suspension Pvc with good plasticizer absorption and good heat stability.	This resin is intended for soft application,flexible film,and other flexible articles. It also suit for cables and wires application.
		S-65D	Suspension Pvc with high bulk density, and excellent initial color properties.	This resin is intended 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-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.	Used for versatile process of excellent mechanical and high elastic purpose products.
Blending Resins		SPR-D	Blending PVC resin with coarse particle size approximate 50um 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,atomobile products and molding produxts 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 ,excellent flow properties.	Specially suitable for protective coatings, printing inks and tiles.
Mat PVC		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 faoming ,excellent strength, excellent yield value and excellent Hegman scratch.	Foam leather, foaming products, gloves, toys and dolls.
		PR-G	Low viscosity and high transparency.	Soft toy,dipping, rotational molding,slush molding and casting molding.
	Emulsion	PR-500	High viscosity and good foaming.	Foam leather and foaming product.
		PR-450	Suitable viscosity,excellent foaming.	Floor covering, wall covering, foam sheet, casting leather.
		PR-415	Low viscosity, easy mold release and excellent heat stability.	Doll, toy, boots and automobile accessories.
		PR-1069	Low viscosity ,excellent mechanical property, abrasion resistance, water resistance and excellent clarity.	Wear layer of floor covering , casting leather ,top or surface, coating and toy.

Packages：
1.Jumbo Bag：1.0 or 1.1MT packed in PP jumbo bag with pallet,containerized ship.
2.25 kg bags：25kg PP woven bag with PE inner bag or 25kg paper bag with laminated (without pallet).