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.

P-Series Processing Aids for Polyvinyl Chloride Specification

TYPE	Grade	Bulk Density (g/cm3)	Moisture (%)	Transparency	Gelation	Foaming	Metal Release
PA	P-101	0.40 ↑	1.0 ↓	●●●	-	-	●●●
	P-1000	0.40 ↑	1.0 ↓	●●●○	-	-	●●●●●
	P-201	0.40 ↑	1.0 ↓	●●●●●	●●●●○	●	-
	P-220	0.40 ↑	1.0 ↓	●●●●●	●●●●	●	-
	P-251	0.40 ↑	1.0 ↓	●●●●●	●●●●●	●	-
	P-301	0.40 ↑	1.0 ↓	●●●●	●●●○	●●●	-
	P-302	0.40 ↑	1.0 ↓	●●●●	●●●	●●●●	-
	P-701	0.40 ↑	1.0 ↓	●●●●	●●○	●●●●●	-

Test method：1. Bulk Density：ASTM D-1895.
Performance：●●●●● > ●●●●○ > ●●●●● > ●●●○ > ●●● > ●● > ●

Impact Modifier for Engineer Plastics Specification

TYPE	Grade	Appearance	Bulk Density (g/cm^3)	Moisture (%)	Average Grain Diameter(μ m)	Particle Size (+35 mesh)	Particle Size (-325 mesh)
K-series (Silicon type)	K-210	White Powder	0.30 ↑	0.6 ↓	250~350	10%	< 2%
TYPE	Grade	Appearance	Bulk Density (g/cm^3)	Moisture (%)	Average Grain Diameter(μ m)	Low temp I-zod impact (kg/cm-cm)	MI (g/10min)
E-series (Butadiene type)	E-622	White Powder	0.30 ↑	1.0 ↓	250~350	≧ 50	9~12

Test method：1. Bulk Density：ASTM D-1895.
2.I-zod impact:ASTM D-256.
3.MI:ASTM D1238.

Caustic Soda Specification

TYPE	Grade	Sodium Hydroxide(%)	Sodium Carbonate(%)	Sodium Chloride(ppm)	Sodium Sulfate(ppm)	Iron (ppm)	Mercury (ppm)
CAUSTIC SODA	LIQUID	49.0~50.0	0.1 ↓	100 ↓	25 ↓	8 ↓	0.1 ↓
	FLAKES	98.0 ↑	0.2 ↓	300 ↓	60 ↓	10 ↓	0.1 ↓
	PEARLS	99.0 ↑	0.4 ↓	300 ↓	60 ↓	8 ↓	0.1 ↓

Application and Properties

TYPE	Grade	Properties	Application
PA	P-101	Lubrication type.	Used for exterior lubricant.
	P-1000	High efficiency lubrication type.	Used for high polymer material exterior lubricant.
	P-201	General type.	Used for rigid, semi-rigid calender, extruded, blow-molded, injection-molded, and second-processed.
	P-220	General type (decreasing precipita-tion).	Used for rigid, semi-rigid calender, extruded, blow-molded, injection-molded, and second-processed.
	P-251	Excellent gelation type.	Used for soft, rigid, semi-rigid calender, heat shrinkable film, and injection-molded.
	P-301	High efficiency dispersion type.	Used for rigid, semi-rigid calender, extruded, blow-molded, injection-molded, second-processed, and foam-molded.
	P-302	High efficiency dispersion type.	Used for rigid, semi-rigid calender, extruded, blow-molded, injection-molded, high filler, vacuum-molded, and foam-molded.
	P-701	Ultrahigh molecular weight type.	Used for rigid, semi-rigid calender, high filler, vacuum-molded, and foam-molded.

Packages：
1. Jumbo Bag：500 KG packed in jumbo bag with pallet, containerized ship.
2. 25 KG bags：25 KG paper bag.

Application and Properties

TYPE	Grade	Properties	Application
K-series (Silicon type)	K-210	Excellent impact strength at room temperature and low temperature. weather resistance.	Used in engineer plastics (PC、PC alloy) .
TYPE	Grade	Properties	Application
E-series (Buta-diene type)	E-622	Good thermal stability, excellent impact resistance at low temperature for engineering plastics resin.	It's efficient to increase impact resistance at low temperature for engineering plastics resins (such as PC, PC/ABS). It's able to improve the compat-ibility and dispersion of PC and ABS in PC/ABS resin.

Packages：
1. Jumbo Bag：400 KG packed in jumbo bag with pallet, containerized ship.
2. 20 KG bags：20 KG paper bag with laminated (without pallet).

Application and Properties

TYPE	Grade	Properties	Application
CAUSTIC SODA	LIQUID	Colorless, alkaline and corrosive.	Used in the manufacture of alumina, pulp and paper, textiles, water treatment, soaps and detergents.
	FLAKES	White flakes, alkaline and corrosive.	Used in the manufacture of alumina, pulp and paper, textiles, water treatment, soaps and detergents.
	PEARLS	White pearls, alkaline and corrosive.	Used in the manufacture of alumina, pulp and paper, textiles, water treatment, soaps and detergents.

Packages：
1. 98% CS-F：25 KG PP woven bag with PE inner bag.
2. 99% CS-P：25 KG PE bag or 50 POUND KRAFT (PAPER) bag (US only).