Chlorinated Polypropylene CPP

CAS NO. 68442-33-1

Properties

iSuoChem® CPP is a solvent soluble chlorinated polypropylene adhesion promoter for polyolefin substrates. It has excellent adhesion to PP, PE, EPDM & TPO materials. It is non-toxic, inodorous, has no solvent residue. It is water-resistant, acid-resistant and alkali-resistant. The composite ink made by CPP has stable performance and good filming property.

Application

1. Be used as major resin of the printing ink for intaglio printing on BOPP film (Bi-axially Oriented Polypropylene).
2. Coating for PP film and PP rigid material, and using as adhesive for double-layered PP film or PP film covered paper in packaging Industry.
3. Be used as adhesive for coatings on polypropylene profiles.

Specifications

Type	Solvent System	Cl Content (%)	Viscosity (mPa.S/25C)	Usage
AG30	Toluene type	28-32	200-500	Ink; For dry lamination & extrusion lamination ink
AG526P	Toluene type	26-27	200-250	Ink and coating; Coating & For dry lamination & extrusion lamination ink
AG526T	Toluene type	26-27	50-100	Ink and coating; also for UV ink system
AG-526	Toluene type	26-27	10-50	Ink and coating; and could be used for PP Hard substrate coating.
EG40M	Non-toluene type	35-40	200-300	Ink; Ester type, suitable for dry lamination
EG40L	Non-toluene type	31-35	100-500	Ink; mixed solvent, add some MCH, suitable for dry lamination and extrusion lamination,
E-814H	Non-toluene type	38-42	10-200	Ink and coating; could be used for PU ink system
CPM16	Non-toluene type	14-18	10-150	Ink, coating and adhesive; For screen printing ink, PP hard substrate coating and adhesive.
CPM-31C	Non-toluene type	28-32	250-359	Ink, coating and adhesive; Resist low temperature -15C, for ink and coating
CPM35	Non-toluene type	31-35	100-200	Ink, coating and adhesive; Ester type, suitable for dry lamination
CPM22	Non-toluene type	19.5-22	20-100	Ink, coating and adhesive; for screen printing ink, hot stamp transfer ink, etc
CPM26	Non-toluene type	22-26	20-100	Ink, coating and adhesive; for screen printing ink, hot stamp transfer ink, etc.

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CMP Resin Series
Copolymer of Vinyl chloride and Vinyl Isobutyl Ether

CAS NO. 25154-85-2

Properties

iSuoChem® CMP resin is a good type of chlorinated binder and developed for printing ink and heavy anticorrosive paint.

Specification

Item	Standard				
Type NO.	**CMP15**	**CMP25**	**CMP35**	**CMP45**	**CMP60**
Appearance	White powder				
Viscosity mPa.s at 23℃ in 20% solution in toluene.	15±5	25±5	35±5	45±5	60±5
Chlorine content %	44±1				
Moisture content %	0.5 max				
Bulk Density g/ml	0.3 min				

Application

To be used for anti-corrosive paint, printing ink, steel structure paint, wall paint, road marking paint, building anti-fire paint, light metal coating, deck paint, boat, container paint, engineering paint for machine & automobile, concrete & asbestos cement, etc. It can be used as modifier in rubber & plastic industry as well.

CMP15 is applied for thick-form paint, as it remains well under the condition of acid & alkali. It can be applied to alkali based material, such as asbestos, concrete and brick, so it could be mixed in paint for swimming pools, construction, bridges and road marking.

CMP25 is applied for heavy anti-corrosive paint extensively. The structure of the product makes it bonding easily. It can be applied in the paint which is used under the dry-air condition and physical dry condition, such as steel structure, container paint, marine and industrial anti-corrosive paint.

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CMP35 is thicker than CMP25 and the usage is same as CMP25. Especially for the anticorrosive paint used under ocean climate. It also can be used for anti-corrosive paint for light metals, such as aluminum and zinc.

CMP45 is especially good for making solvent type of gravure ink and plastic composite ink (OPP & PE).

CMP-60 is used for special ink or metal adhesive.

Advantage

Good anti-corrosion ability
iSuoChem® CMP chlorinated resins offer good bonding property as a result of their special molecular structure, in which ester bond is resistant to hydrolysis and combined chlorine atom very stable. Thus they can be used to produce high quality paint with good water resistance, salt resistance and chemical resistance.
Good stability
No reactive double bond, so iSuoChem® CMP chlorinated resins are not easily being acidized and degraded. The molecules are also with excellent light stability and won't turn yellow or atomize. The existence of each bond gives the molecule good internal plasticization. So the resins are flexible enough and additional plasticizer is not required. Also they will not gradually crack causing by migration of plasticizer.
Good adhesion
They contain copolymer of vinyl chloride ester which ensures paint good adhesion on various material. Even on the surface of aluminum or zinc, the paint still has good adhesion.
Good compatibility
iSuoChem® CMP chlorinated resins are compatible with vinyl chloride copolymer, poly-acrylate, unsaturated polyester resin, maleic alkyd resin, cyclohexanone resin, aldehyde resin, coumarone resin, hydrocarbon resin, urea resin, alkyd resin modified by oil and fatty acid, natural resin, plasticizer and bitumen. They can modify and improve the characteristics of paint which is mutated by drying oil, alkyd rein, tars and bitumen.
Fireproof ability
They contain chlorine atom which gives the resin fireproof ability. With addition of other flame resistant pigment, filler and fire retardant, they can be used in fire retardant paint for construction and other fields.
Solubility
iSuoChem® CMP chlorinated resins are soluble in aromatic hydrocarbon, ester, ketone, glycol, ester acetate and some glycol ether. Aliphatic hydrocarbon and alcohol are diluent and not true solvents for CMP chlorinated resin.

Vinyl Chloride &Vinyl Acetate Copolymer

Cas No:9003-22-9

Properties

iSuoChem® Vinyl Chloride &Vinyl Acetate Copolymer is a white powder, it can dissolve by ester /MEK soluble with colorless, transparent solution, and it has perfect balance on film-formation, solvent release property, high chemical resistance, dissolubility, color contrast property, paint film intensity and thermoplastic. etc.

Product List

Item	ASV50-15	ASV55-13	ASV62-13	ASV80-10	ASV40-14	ASV60-40
Vinyl Chloride, %	85±2	87±2	87±2	88±4	86±2	60±4
Vinyl Acetate, %	15±2	13±2	13±2	10±2	14±2	14±2
Viscosity No	48-55	52-56	60-64	76-86	34-46	45-65
Appearance	White Powder					
Countertype	CP-430	VYHH	CP-450/ H15/50	CP710/ VYNS-3	H15/45	H40/50

Application

1. Printing inks (screen printing ink & gravure ink)
2. Adhesive for PVC and heat-seal lacquer
3. Coating for leather & plastic
4. Leather treatment agent
5. Vinyl floor or Plastic processing modifier

Packing: packed in 25kgs kraft bag, 8mts/20'fcl without pallet or 16 mts/20'fcl with pallet.

Storage & transportation:

Store in dry & ventilated warehouse. Do not store it in open air. Prevent sunshine & moisture. Avoid high temperature beyond 60°C. Avoid rain during transportation. It is not dangerous cargo.

Carboxyl Modified Ternary Copolymer Resin

Cas No:9005-09-8

Properties

iSuoChem® Carboxyl Modified Ternary Copolymer resin is a white powder, it can dissolve by ketone solvent (MEK, MIBK, CYC etc.) or Ketone, ester and benzene mixing solvents, the solution is colorless and transparent.

Product List

Item	SVCH	SVCM	SVCC	SVCA
Vinyl Chloride, %	86±2	85±2	83±2	81±4
Vinyl Acetate, %	13±2	13±2	16±2	16±2
Others %	1a	2[c]	1[b]	2[b]
Viscosity No	50-55	50-55	38-45	30-35
Countertype	VMCH	/	VMCC	VMCA

Remark: (a)--Maleic Anhydride (b)--Maleic Acid (c)--2 Dicarboxylic

Application

1. Printing inks (silk Screen printing ink & gravure ink, Aluminum ink, Transfer printing ink)
2. Adhesive: Aluminum foil heat-seal lacquer, adhesive for PVC, hot stamping foil adhesive,
3. Coating and Paint: For metal, plastic, Vinyl marine

Packing: packed in 25kgs kraft bag, 18mts/20'fcl without pallet or 16 mts/20'fcl with pallet.

Storage & transportation:

Store in dry & ventilated warehouse. Do not store it in open air. Prevent sunshine & moisture. Avoid high temperature beyond 60°C. Avoid rain during transportation. It is not dangerous cargo.

Hydroxyl Modified Ternary Copolymer Resin

Cas No:41618-91-1

Properties

iSuoChem® Hydroxyl Modified Ternary Copolymer resin is a white powder, it can dissolve by ketone solvent (MEK, MIBK, CYC etc.) or Ketone, ester and benzene mixing solvents, the solution is colorless and transparent.

Product List

Item	VAHN	VAHL	T5H	VROH	V22/48A	V15/40A
Vinyl Chloride, %	88±3	88±3	81±3	81±3	75	84
Vinyl Acetate, %	5±2	5±2	10±2	4±2		
Others %	7[c]	6[c]	8[d]	15[d]	25[d]	16[d]
Viscosity No	52-63	34-38	52-68	35-45	55-65	35-45
Countertype	Solbin A	Solbin AL	T5HX	Solbin TA3	E22/48A	E15/40A

Remark: (c)--Vinyl Alcohol; (d)-- Hydroxyalkyl Acrylate

Application

1. Printing inks (silk Screen printing ink & gravure ink, reflective ink)

2.. Coating and Paint: Plastic coating (PET, PVC, ABS, PC, PA), Can Coating and Car refinishing paints

Packing: packed in 25kgs kraft bag, 18mts/20'fcl without pallet or 16 mts/20'fcl with pallet.

Storage & transportation:

Store in dry & ventilated warehouse. Do not store it in open air. Prevent sunshine & moisture. Avoid high temperature beyond 60°C. Avoid rain during transportation. It is not dangerous cargo.

Polyamide Resin

Co-solvent Soluble

Other name: Toluene soluble polyamide resin.
benzene soluble polyamide resin
Appearance: Light yellow granular or crushed solid.

Properties

iSuoChem® polyamide resin offers excellent adhesion, moderate softening point, excellent water resistance, chemical resistance, good solubility in the mixed solution of benzene and alcohol, modulate ink applicability, timesaving, good fluidity, and high fastness to printing materials.

Application

Be used for various gravure printing ink for plastics, varnish and seal coating, suitable for low speed to high-speed printing press.
iSuoChem® DT556 is specially developed for raising adhesion, can be used jointly with other grades, also can be used directly for untreated film, regenerated film and treated film which is less than 38 dyne of corona treatment.

Specifications

Type	DT501	DT501H	DT508	DT588	DT556
Viscosity (mPa.s/25℃))	100~150	150~230	120~180	100~170	30~70
Softening point (℃)	110~130	110~120	140~200	100~120	85~95
Freezing point (℃)	< 7	< 7	/	0 ~ -8	0 ~ 3
Color (#)	7 max	7 max	7 max	7 max	10 max
Acid Value (mgKOH/g)	5 max	5 max	5 max	6 max	15 max
Amine Value (mgKOH/g)	5 max	5 max	5 max	6 max	3 max
High temperature resistance (℃)	/	/	100~150	/	/

Remark: Viscosity can be customized according to your request.

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Polyamide Resin

Alcohol soluble

CAS NO. 63428-84-2
Appearance: Light yellow granular or crushed form.

Properties

iSuoChem® alcohol soluble type of polyamide resin offers excellent alcohol solubility, good compatibility with nitrocellulose, superior freezing resistance, water resistance, anti-gelling properties, high gloss, good flow and pigment wettability, good adhesion to base material.

Application

It's developed for high-speed flexible plastic printing ink, flexographic ink, anastatic ink, seal coating, beaded paint, etc.

Specifications

Type NO.	DT610	DT610H	DT610A	DT626A	DT6245
Viscosity mPa.s/25°C	60~100	100~150	80~150	100~200	100~200
Softening point °C	100~120	100~120	100~120	185~205	140~160
Freezing point °C	0 ~ 3	0 ~ 3	0 ~ -5	/	/
Color #	7 max	7 max	7 max	12 max	7 max
Acid Value mg KOH/g	5 max	5 max	5 max	15 max	6 max
Amine Value mg KOH/g	4 max	4 max	5 max	15 max	6 max
High temperature Resistance °C	/	/	/	>185	150~180

Remark: Viscosity can be customized according to your request.

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Alcohol Soluble Maleic Resin

Other Name: Maleic Resin, Maleic Modified Rosin Esters

Type: YM-110, YM-130, YM-130H, YM-150

Appearance: Light yellow transparent solid.

Properties:
Alcohol-soluble maleic resin is an irregular transparent flaky solid produced by partial esterification of maleic modified rosin and polyol.

Product Features:
This product has the characteristics of alcohol solubility, fast drying and high gloss. It can also be dissolved in alcohol and then added with amine to neutralize it to a pH of 7. Then add clean water to dilute it to become water-soluble and be used in water-based systems.

Application:
This product is used in alcohol-soluble gravure printing inks, glazing oils and water-based inks.

Specifications:

Type No.	YM-110	YM-130	YM-130H	YM-150
Color Gardner, 50% benzene solution	6 max	6 max	6max	8 max
Softening point R&B, °C	110±5	130±10	130±10	150±10
Acid Value mgKOH/g	180-210	170-200	200-225	200-220

Packing: In 25kgs compound bag, 16mts/20'fcl with pallet or 18mts/20'fcl without pallet.

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Rosin Modified Maleic Acid Resin

Other Name: Rosin Modified Maleic Acid Resin,
Dehydrated maleic acid resin，Maleic anhydride rosin resin.
Appearance: Light yellow transparent solid.

Properties

iSuoChem® Maleic Acid Resin is irregular transparent solid that is the vacuum treated product of Esterification by glycerol (or pentaerythritol) and the adducts of rosin and maleic anhydride.

It could be dissolved in solvents such as coal char, esters and turpentine, insoluble in alcoholic solvents, partially soluble in petroleum solvents, and has good miscibility with vegetable oils. This product has the advantages of light color, not easy to yellow, good thermal stability and strong adhesion.

Application:

This product is thermally polymerized with vegetable oil and used in ester gum phenolic paint. Adding it to hot melt glue, adhesive, and self-adhesive can improve the bonding force and reduce costs

This product is widely used in the adhesive industry, coating and ink, etc.

Y-72 series mainly use for ink and painting for woodware. Y-73 series main use for surface painting of woodware, Y-D mainly use for base painting of woodware.

Specifications:

Products	Color (Gardner))50% Benzene Solution	Acid Number (mg KOH/g)	Softening Point (R&B)
Y-7203	2-3	10-16	117-125℃
Y-7205	3-5	10-16	117-125℃
Y-7207	5-7	10-16	117-125℃
Y-7303	2-3	22-30	127-135℃
Y-7305	3-5	22-30	127-135℃
Y-7307	5-7	22-30	127-135℃
Y-D2730	7-8	20-30	127-135℃
Y-D2715	7-8	10-16	120-130℃

Packing: In 25kgs compound bag, 16mts/20'fcl with pallet or 18mts/20'fcl without pallet.

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Chlorinated Ethylene Vinyl Acetate Copolymer

CEVA

Properties

iSuoChem® CEVA is Chlorinated EVA made from EVA through modification. It can be dissolved in organic solvent like toluene, ester, Ketone, etc. It has elasticity like rubber, good solubility and fluidity at room temperature.

Application

iSuoChem® CEVA is widely applied in the production of superior printing ink, improving properties of adhesion and luster of printing ink.

1. Major resin of the printing ink for intaglio printing with BOPP-film (Bi-axially Oriented Polypropylene).
2. Coating for BOPP film and adhesive for the double-layered PP film, pp film-paper, etc. in Packaging Industry.
3. Adhesive for coatings on polypropylene profiles.

Specification

Appearance: White to light yellow solid granule or Lump.

Item	Toluene Type	Ester Type
Chloride content (%)	22-30	24-32
Viscosity (mpa.S)	100-800	100-800

Remarks: Viscosity refers to the value tested with rotary viscosimeter of the product in 20% toluene solution in 25 ℃.

Packing: In 20kgs fiber carton or as customer's request.
Quantity: 8.5mts/20'fcl with pallet. Or 10mts/20'fcl without pallet.
CAS NO. 68442-33-1

Storage & transportation

Store in dry & ventilated warehouse. Don't store it in open air. Prevent sunshine & moisture. Avoid high temperature beyond 60°C. Avoid rain during transportation. It is not dangerous cargo.

Chlorinated Rubber

Adhesive grade

CAS NO. 9006-03-5
Appearance: White Powder.

Properties:
Good acid resistance, alkali resistance, water resistance and good salt resistance. iSuoChem® CR is soluble in various solvents and compatible with many kinds of resin and compounds. As an adhesive, it can enhance the bonding strength, like the durable adhesive between rubber and metal, and improve the resist force in the following environments: Ozone, Mineral Oil, Chemicals, Burning, Environmental corrosion.

Solubility:
Soluble in organic solvents (like toluene and xylene) and forming a colorless or yellow transparent solution. Insoluble in ethanol fat hydrocarbons solvents.
Stability and Compatibility:
Stable in an atmosphere at room temperature and slowly degrading under continuous heating. Compatible with the majority of plasticizers, resins, pigments and fillers, etc.

Specifications

Type NO.	CR-22	CR-40	CR-90	CR-130	CR-170	CR-400
Chlorine Content (%,)	65%min					
Viscosity at 23℃(18.5% in toluene, mPa.S)	20±4	42±9	92±18	150±30	165±35	400±50
Maximum solubility (w/w, %)	40					
Moisture (%)	0.6max					

Remark: The viscosity is measured by rotary viscometer, 18.5g CR: 81.5g Toluene.

Applications:
It can be used as an adhesive to bind many kinds of rubber (NR，IR，IIR, SBR, EPDM, CR, NBR ,CM) with metals (steel, brass, aluminum). It is available in various viscosity grades. All grades are free from carbon tetrachloride (CTC).

Packing: Pack in 20kgs craft paper bag, 8mts/20'fcl with pallet.
Storage & transportation:
Store in dry & ventilated warehouse. Don't store it in open air. Prevent sunshine & moisture. Avoid high temperature. Avoid rain during transportation. It is not dangerous cargo.

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Chlorinated Rubber

Coating Grade

CAS NO. 9006-03-5
Appearance: White Granular Powder.

Application
iSuo Chem's Chlorinated Rubber has a good resistance to chemicals and atmosphere and good compatibility with many resins and plasticizers. It suitable for many industrial fields, such as anti-corrosion paint, ship paint, road marking paint, fireproof paint, metal, paper or fabric coatings, rubber product adhesives, adhesives and high-performance rubber products, etc.

Solubility and Compatibility:
SR series product could be dissolved in various solvents, and compatible with many kinds of resins, plasticizers and binders, etc.

Specifications

Type NO.	SR-5	SR-10	SR-20	SR-30	SR-40
Chlorine Content (%,)	64.5%min				
Viscosity at 25℃ (20% in toluene, mPa.S)	5-8	8-15	16-26	25-35	33-51
Moisture (%)	0.6max				
Ash content (%)	0.6max				
Density approx.(g/ml)	1.5				

Packing: Pack in 20kgs craft paper bag, 8mts/20'fcl.
Storage & transportation:
Store in dry & ventilated warehouse. Don't store it in open air. Prevent sunshine & moisture. Avoid high temperature. Avoid rain during transportation. It is not dangerous cargo.

Handling
Normal precautions should be observed as for handing all chemicals. Store indoor with adequate ventilation. Keep away from moisture, heat. Keep container closed. Wash thoroughly after handing. See the MSDS for more information.

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Chlorinated Polyethylene

CAS NO. 64754-90-1

Properties

iSuoChem® Chlorinated Polyethylene is a white powder form, it has good weather resistance, chemical resistance and oil resistance. It soluble in toluene and Xylene,forming a colorlress or yellow transparent solution.

Specifications

Type NO. Specification	CPE1805	CPE1905	CPE1910	CPE1915	CPE1920
Cl content (%)	65				
Viscosity (40% solution,mPa.s/25°C)	50-150	200-300	150-250	400-600	
Viscosity (20% solution,mPa.s/25°C)	--	--	--	--	150-250
Weight Loss after drying (%) ≤	0.5				
Maximum solubility (w/w) %	60				45
Appearance	White powder				
Application	Ink/Paint	Ink/Paint	Paint	Paint, Adhesive	Adhesive

Remark:The viscosity is measured by a rotary viscometer in xylene solution at 25°.The concentration is 40%, except for CPE1920 where a solution of 20% was prepared.

Application:

1. Anticorrosive paint: Fast drying (ships, bridges, tank, etc.) anticorrosive paint, marine paint, flame retardant paint, road marking paint.
2. Printing ink:Screen printing ink ,Heat resistance ink, package printing ink, etc.
3.Adhesives:Shoes glue, bonding between rubber and metal. Improving the adhesion ability of chloroprene rubber, nitrile rubber

Packing and Storage : 20kgs/bag .Store in dry&ventilated warehouse. Don't store it in open air. Prevent sunshine&moisture. Avoid rain during transportation. It is not dangerous cargo.

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Polyketone Resin

Other Name: Ketone Resin, Ketonic Resin.
Appearance: Colorless or yellowish powder.

Properties

iSuoChem® Polyketone resin is a kind of hard resin with high photo stability. It's non-toxic and light-colored. And it's soluble in any solvent used in coating industry except for fatty alkane and water. It also can be mixed and solved with many resins used in paint and ink. It can raise paint's and ink's properties greatly, such as glossiness, adhesion, pigment wettability, hardness of surface layer and system's solid content. Furthermore, it can reduce system's viscosity. When it is applied in adhesives, it can enhance their first adhesives, especially it is durable adhesively.

Application

Ink: printing ink, gold blocking ink, anti-forge ink and flexible relief ink etc.
Paint: nitro-paint, acrylic resin paint, chlorinated rubber paint, amino resin paint, polyester paint, topcoat primer of automobile and motorcycle, primer of furniture, fancy paint etc.
Overprinting varnish: overprinting varnish for paper, cigarette bag etc.
Adhesive: heat-melting type pressure sensitive adhesive, solvent sensitive adhesive.
Color paste: ideal interlocking material, it can shorten paste mill time greatly.
Color powder: color powder for electrostatic formation of image, such as electronic formation of image and electrostatic copy etc.

Specifications

Type	LDT-120	ADT-110	HDT-120	WDT-120	LDT-80
Softening Point (℃)	115min	100-120	120min	115min	75-95
Hydroxyl Value（mgKOH/g）	60min	100min	150min	200min	60min
Acid Value（mgKOH/g）	0.5max	0.5max	1.0max	1.0max	0.5max
Chromaticity (In 40% propanol solution)	10max	3max	-	3max	3max

Compatibility: Ketone resin has good compatibility with the resins listed below：
Alkyd resin, Chlorinated resin, Epoxy resin, Urea resin, Rosin resin, Maleic resin, Amino resin, Nitrocellulose, Phenol formaldehyde resin, Polyamide resin, Styrene resin and acrylic resin, Styrene-modified alkyd resin, Chlorinated ethylene copolymer, Chlorinated wax.

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Polylactic Acid Resin

Properties

iSuoChem® PLA, full name polylactic acid or polylactide, is a polymer obtained by a series of chemical reactions with lactic acid or its dimer lactide as monomer, which belongs to synthetic polymer and has characteristics of bio-base and degradability.

Applications

iSuoChem® PLA has the characteristics of low-carbon, environmental-friendly, non-toxic, and biodegradable. It is considered as the best choice to replace the traditional petroleum-based plastics (PE, PP, PVC) and petroleum-based fiber (PET, PTT, PBT) material, widely used in the following applications:

1. Extrusion & Thermoforming
2. Injection
3. Blown film and laminating film product
4. Fiber products
5. Blowing and injection blowing molding products
6. Applied to 3D Printing filament product

Specification

Type No	Melt Flow Index (190C/ 2.16kg)	Total Corbion	Nature Works	Application
ASP21	30	L105	3260HP	Injection, sheet material, non-woven fabrics, staple fiber, filament.
ASP22	30			Injection molding
ASP41	18			
ASP61	9	L130	3100HP	Injection molding, blister molding, sheet material, film, staple fiber.
ASP62	9	LX530	3001D	
ASP64	9			
ASP81	4	L175	2500HP	Injection, sheet material, film, staple fiber, filament.
ASP82	4	LX575	4032D	Injection molding, 3D Printing, toys.
ASP84	4	LX175	2003D	Sheet material, film, staple fiber, filament.
ASP125	2~12	L130	3100HP	Transparent extrusion; poor heat resistance, casting film or as base material of blowing film compounding; laminating processing; biaxial oriented film processing; staple fibers, non-woven fabrics and other fiber products. 3D printing filament processing or as base material of 3D printing compounding.

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ASP116	2~12			Excellent transparency and processability, poor heat resistance, lower optical purity. Suitable for processing of products requiring high heat sealing property, such as cast film or as base material of blowing film compounding.
ASP175	2~12	L175	2500HP	Transparent extrusion; high heat resistance, Higher optical purity; Suitable to be used as a base material of high-end extrusion-use compounds.
ASP180	3~10			Transparent, good toughness, good gloss; Toughened PLA compound, Suitable for processing of 3D printing products with high toughness.
ASP225	12~40			Excellent transparency and processability, suitable for transparent injection molding products.
ASP228	10~30			Heat-resistant PLA compound, good toughness, Suitable for high heat-resistant disposable injection molding products.
ASP228S	10~25			Heat-resistant PLA compound; high gloss after crystallization through a special process. Suitable for the processing of high-end injection molding products.
ASP228T				Heat-resistant PLA compound, better toughness, suitable for high-end injection molding products.
ASP228R				Heat-resistant PLA compound, longer service life, suitable for high-end injection molding products.
ASP234C	4~6			Heat-resistant injection products.
ASP275	12~40	L105	3260HP	Transparent, high heat resistance, good toughness, higher optical purity than ASP225; Suitable to be used as a base material of high-end injection molding use compounds.
ASP716	10~25			Good impact resistance; toughened PLA compound, suitable for processing of injection molding products with high toughness. No food contact
ASP728	5~15			Good impact resistance; Toughened PLA compound, better toughness, Suitable for injection molding products with higher toughness. No food contact
ASP736				Transparent extrusion; heat-resistant PLA compound, suitable for thermoforming with high heat resistance and low drawing ratio.
ASP401	3~10			Drinking straw, heat resistance

Packing: 25kgs/850kgs/900kgs bag

Quantity: 14.00mts/20'fcl with pallet.

Certification: BPI, TUV

Storage & transportation: Store in dry & ventilated warehouse. Don't store it in open air. Prevent sunshine & moisture. Avoid high temperature beyond 80°C. Avoid rain during transportation. It is not dangerous cargo.

PVA Resin

Product Introduction

Polyvinyl alcohol is an organic compound in the form of white flaky, flocculent or powdery solid, odorless. Soluble in water, insoluble in gasoline, kerosene, vegetable oil, benzene, toluene, dichloroethane, carbon tetrachloride, acetone, ethyl acetate, methanol, ethylene glycol, etc. Polyvinyl alcohol is an important chemical raw material for the manufacture of polyvinyl acetal, gasoline-resistant pipes and vinylon synthetic fibers, fabric treatment agents, emulsifiers, paper coatings, adhesives, glues, etc.

Application

Fabric sizing material, fabric finishing agent, paper surface sizing agent, paper pigment binder, paper adhesive, emulsifier, PVA film, thermosetting resin modifier, ferrite binder, dispersant, coating, glue , PVB, PVF, etc.

Specifications

Appearance: White flaky, flocculent or powdery solid, odorless

Type NO.	(Mol/mol) Degree of Alcoholysis	mpa.s Viscosity	Volatile %≤	Sodium Acetate %≤	Ash %≤	Ph %≤
17-92(L)	90.0-94.0	20.0-28.0	7.0	1.8	0.7	5-7
17-98(L)	97.0-99.0	24.0-32.0	7.0	1.8	0.7	5-7
17-99(L)	99.0-100.0	22.0-32.0	7.0	1.8	0.5	5-7

Type NO.	(Mol/mol) Degree of Alcoholysis	(Mol/mol)	mpa.s Viscosity	Volatile %≤	Sodium Acetate %≤	Ash %≤	Ph %≤
17-99(H)	99.0-100.0	1600-1800	20.0-26.0	8.0	2.8	2.8	7-10
20-99(H)	99.0-100.0	2000-2300	34.0-42.0	8.0	1.3	2.8	7-10

Packing: In Paper bag of 25 kg net with plastic lining or 800kgs big bag on pallets net each

Storage & transportation:

Store in dry & ventilated warehouse. Don't store it in open air. Prevent sunshine & moisture. Avoid high temperature. Avoid rain during transportation. It is not dangerous cargo.

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PVB Resin

Product Introduction

Polyvinyl butyral (PVB) resin is composed of PVA and butyl aldehyde condensation reaction of synthetic resin, soluble in methanol, ethanol, acetone, aromatic solvents, and has high transparency, good cold resistance, shock resistance. With glass, ceramic, metal, etc. With good adhesion, middle membrane is widely used in glass, ceramic color paper, insulating paint, printing ink, dye and other fields.

Application

This product is widely used in paper base copper clad, thermal transfer ink, cypress paper printing ink, glue metal protection primer, badminton, ceramic color paper, aluminum foil adhesive, electronic ceramics, silk screen printing ink, casting and resin grinding wheel, straw hat, fiber treating agent and cellulose sponge, etc.

Specifications

Appearance: White or slightly yellow powder, no visible impurity

Type NO.	A-10	A-20	A-30	A-40	A-50	A-60	A-70
Volatile, %	3.0max	3.0max	3.0max	3.0max	3.0max	3.0max	3.0max
Viscosity (-1 viscometer method)	1-5	2-10	10-18	18-30	30-60	60-180	180min
Polyvinyl butyral, %	73-79	73-79	73-79	73-79	74-80	76-81	76-81
Hydroxyl content, %	19-23	19-23	19-23	19-23	19-23	19-23	19-23
Viscosity (rotational viscometer method, mPa.S)	40-70	70-140	140-250	250-420	420-840	840-2500	2500min
Ash, %	0.05max						

Packing: Pack in 20kgs craft paper bag, 6mts/20'fcl with pallet.

Storage & transportation:

Store in dry & ventilated warehouse. Don't store it in open air. Prevent sunshine & moisture. Avoid high temperature. Avoid rain during transportation. It is not dangerous cargo.

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Polyurethane Resin for lamination ink

Product description:
iSuoChem PU resin is suitable for gravure inks and coatings.
The main features of these resins include good adhesion to various flexible film substrates, such as PP, BOPP, PET, Nylon, etc. It have excellent pigment wetting properties, lamination strength and printability.

Application: Gravure Lamination ink for food packaging.

Polyurethane resin for Surface printing ink				
Type	**Solid content (%)**	**Viscosity (25℃, mPa.s)**	**Ink**	**Characteristics**
PU-637	70±2	1500-3000	White/Color ink	1.Suitable for benzene and ketone-free gravure surface printing ink 2. Excellent anti-blocking properties 3.Excellet compatibility with nitrocellulose 4.Less odor
PU-640	60±2	1000-3000	White/Color ink	1.Suitable for benzene and ketone-free gravure surface printing ink 2. Excellent anti-blocking properties 3.Excellet compatibility with nitrocellulose 4..Good film formation and flexibility
PU-645	50±1	1000-3000	White/Color ink	1.Suitable for benzene and ketone-free gravure surface printing ink 2. Excellent anti-blocking properties 3.Excellet solubility 4.Balanced performance and wide range of applications.
PU-639	40±2	200-1000	White/Color ink	1.Suitable for alcohol-soluble printing ink system 2. Good pigment wetting and dispersion properties. 3.Excellent solubility 4.Excellent printing adaptation

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Polyurethane/PU resin for Lamination printing ink				
Type	**Solid content (%)**	**Viscosity (25℃, mPa.s)**	**Ink**	**Characteristics**
PU-3300	30±1	L: 200-600 M: 600-900 H: 900-1300	White/Yellow ink	1.High cost performance. 2.Good adhesion to a wide range of substrate (PET, Nylon, OPP). 3.Good anti-blocking property. 4.Suitable for solvent-free composite systems.
PU-302	30±1	200-1300	White ink	1.Excellent lamination strength 2.Good pigment wetting and dispersion properties
PU-35	30±1	200-1300	Color ink	1.High performance product for all colors 2.Good anti-blocking 3.Finished ink has good transferability, no color bleeding during printing process 4.Suitable for high temperature and high humidity application environments
PU-830	30±1	200-1300	White/Color ink	1.High performance product for all colors 2.Good film formation and flexibility 3.Almost odorless after solvent evaporation 4.Excellent adhesion and lamination strength on PE, PET, BOPP, Nylon, etc.
PU-50H	50±1	1600-2500	White/Color ink	1. Good compatibility with vinyl chloride-vinyl acetate copolymers. 2. Good pigment wetting and dispersion properties. 3. Excellent leveling, transferring overprinting and good color saturation. 4. Good adhesion to various substrates (PET, OPP, Nylon, etc.). 5. Adjust the dilution ratio according to the needs of the ink to achieve high solid content and low viscosity. Suitable for high-speed printing.

Solubility: They can be completely dissolved in Ketone, ester, alcohol, and they could be compatible with vinyl chloride-vinyl acetate copolymer, polyvinyl butyral resin (PVB), alkyd resin, nitrocellulose, aldehyde and ketone resins, etc.