



Nissin Chemical Industry Co.,Ltd. 日信化学工业株式会社

Emulsion Products

乳胶综合

VINYBLAN · CHALINE

Application guide of synthesized resin emulsion

合成树脂乳胶 用途分类指南



VINYBLAN CHALINE



Nissin Chemical Industry offers a wide range of synthesized resin emulsion products designed by utilizing our special emulsion polymerization technology. Our broad range of products includes vinyl chloride, vinyl acetate, and silicone-based products, each with a variety of grades. These resin emulsion products are used in a wide range of fields for coatings, adhesives, and many other applications. The synthesized resin emulsion products are categorized by use in this catalog.

是运用本公司独有的乳液聚合技术进行设计的合成树脂乳液产品。以氯乙烯、醋酸乙烯酯、有机硅为主要成分,拥有各种等级的产品。这些产品被广泛应用于涂层、粘接等多个领域。

◆ Features of each types emulsion 各类型的特点

VINYBLAN(Vinyl chloride type) VINYBLAN(氯乙烯类)

- Excellent pigment dispersion, color development, and excellent flame retardant properties
颜料等的分散性、发色性、和耐燃性上性质出色
- Coating film has excellent water resistance and chemical resistance properties
涂膜在耐水、耐药品性上性质出色。

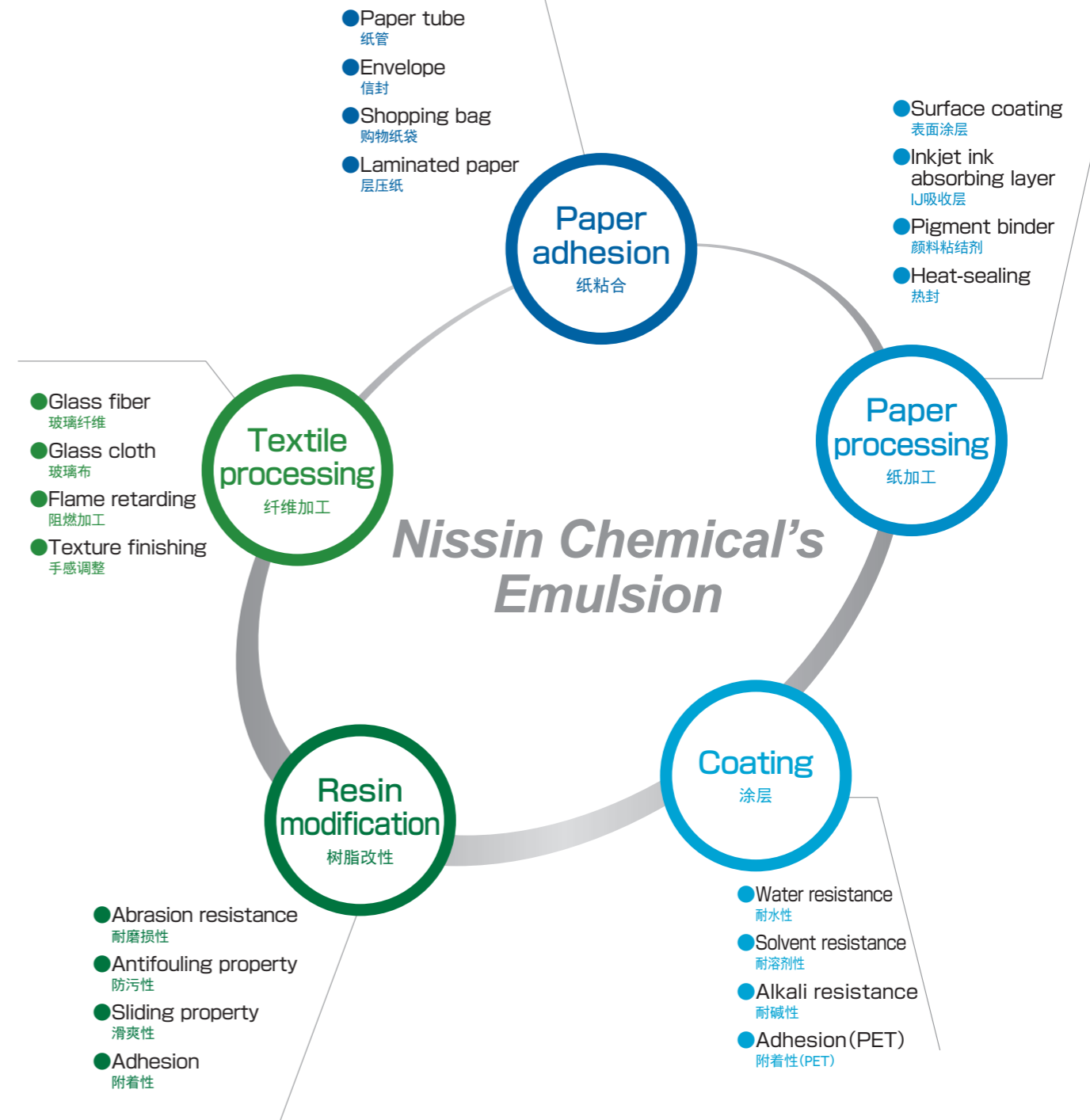
VINYBLAN(Vinyl acetate type) VINYBLAN(醋酸乙烯类)

- Has good spreadability and strong adhesion
拉伸强度良好,具有很强的黏结力
- Excellent flexibility and pliability
柔软性、弯折性出色

CHALINE(Silicone type) CHALINE(硅类)

- Adds sliding properties and water repellency to substrates
赋予基材滑动性、防水性能
- Allows mixing with other resin emulsions
可与其他的树脂乳胶混合

◆ Uses·Performance 用途/性能



纸粘合
Paper adhesion

纸加工/涂层
Paper processing/Coating

树脂改性/纤维加工
Resin modification/Textile processing

We have various grades of products in addition to those listed in this catalog. 除本产品目录所刊载等级以外的各类产品等级也均齐全。

※We also have catalogs, technical documents, SDSs, and other materials for individual products and product series. Contact us to request for more information.
※每个产品和系列产品,均有产品目录、技术资料、SDS等,欢迎订购。

Based on the expertise we have cultivated over many years, we offer general-purpose products that have good initial adhesion properties, are resistant to water, and have been developed with the environment in mind. We also offer special quality products to meet your needs.

我们在多年积累的技术经验的基础上,以初期粘接性能出色的通用、耐水产品等级为首,在环境对策上也加大力度的同时,还提供满足顾客需要的高等级的商品。



Grade 等级	Main ingredient 主要成分	Solid content 固体含量 (%)	Viscosity 粘度 (mPa·s)	pH value pH value	Minimum film forming temperature 最低成膜温度MFT (°C)	Uses 用途						Original emulsion use 原液使用	Water dilution use 水稀释使用	Environmentally friendly 环境对应	Features 特长
						Spiral paper tube 螺旋纸管	Parallel paper tube 平卷纸管	Envelope 信封	Laminated paper 层压纸	Paper bag 牛皮纸袋	Box 纸箱子				
1540	Modified vinyl acetate 改性醋酸乙烯酯	35	4,000	4	0	○			○	○		○	○	Phthalate ester-free 不含邻苯二甲酸酯	Excellent initial adhesion. Strong paper tube strength. 初期粘接良好,纸管强度高
1540J	〃	32	2,000	4	0	○	○		○	○		○	〃	〃	〃
1540K	〃	30	1,300	4	0	○	○		○	○		○	〃	〃	〃
1570	〃	44	3,000	4	0	○						○	○	〃	Excellent water-resistant adhesive. 耐水粘接良好
1570J	〃	42	2,000	4	0	○	○					○	〃	〃	〃
1570K	〃	40	1,300	4	0	○	○					○	〃	〃	〃
1570L	〃	39	900	4	0	○	○					○	〃	〃	〃
A23J1-F2	Vinyl acetate 醋酸乙烯酯	45	2,000	6.5	0			○	○	○		○	〃	Phthalate ester-free 不含邻苯二甲酸酯	Excellent initial adhesion. Prevents whitening of Styrene film. 初期粘接良好,防止苯乙烯膜白化
A68J1	Vinyl acetate-acrylic 醋酸乙烯-丙烯酸酯	47	1,200	6	0			○				○	〃	Plasticizer-free 不含增塑剂	Plasticizer-free. Prevents whitening of Styrene film. 不含增塑剂,防止苯乙烯膜白化
A68J1N	〃	45	700	6.5	0			○				○	〃	〃	Plasticizer-free. Matches perfectly with nozzles. 不含增塑剂,与喷嘴匹配性良好
A70J2M	〃	51	4,000	5	0			○				○	〃	〃	Plasticizer-free. For glassine paper adhesion. 不含增塑剂,用于玻璃纸粘接
3483Y	Ethylene-vinyl acetate 乙烯-醋酸乙烯酯	46	7,000	5	0			○				○	〃	Phthalate ester-free 不含邻苯二甲酸酯	For arabic (lick&seal envelopes). 阿拉伯对应商品
4018	〃	61	300	5.5	0			○				○	〃	〃	For envelope window adhesion. 用于信封窗粘贴
1042F	Vinyl acetate 醋酸乙烯酯	41.5	36,000	4.5	2				○			○	〃	〃	Excellent initial adhesion. High viscosity type. 初期粘接良好,高粘度型
1157	〃	55	6,000	5	0				○	○		○	〃	〃	Excellent initial adhesion. Excellent machine runnability at high speed. 初期粘接,高速机械安定性良好
A22J8-F2	〃	52	2,700	6	0			○	○	○		○	〃	〃	〃
1588C	Modified vinyl acetate 改性醋酸乙烯酯	42	3,000	4	0					○		○	〃	〃	For heavy-duty sack. Excellent water-resistant adhesive. 用于重负荷包装袋,耐水粘接良好
1588FD	〃	42	1,800	4	0					○		○	〃	〃	〃
4495LL	Ethylene-vinyl acetate 乙烯-醋酸乙烯酯	53	650	5	0			○			○	○	〃	〃	For matt coated paper. Excellent initial adhesion. 用于无光铜版纸,初期粘接良好
4495H	〃	57	6,500	5	0				○	○		○	〃	〃	Excellent initial adhesion. Quick-drying type. 初期粘接良好,速干型

VINYBLAN

Paper adhesion

Paper processing/Coating

Resin modification/Textile processing

● Paper processing 纸加工

These emulsion products add various functionality to paper products.
We have a wide variety of products with different grades in ionic properties for a variety of uses.

通过对纸张进行加工, 可以赋予其功能性。
根据用途各种离子性等级匹配齐全。

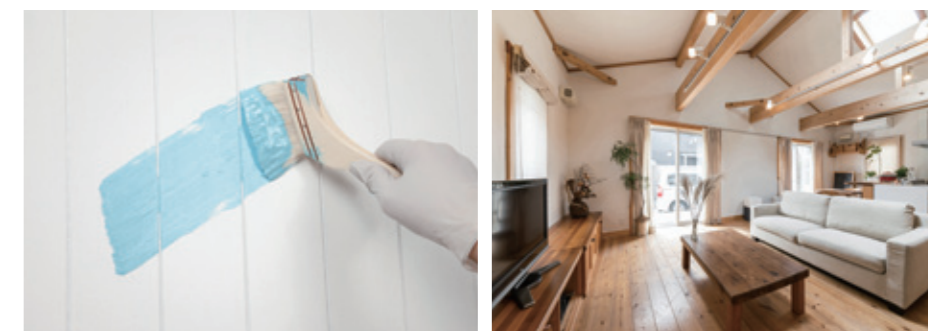


Grade 等级	Main ingredient 主要成分	Solid content 固体含量 (%)	Viscosity 粘度 (mPa·s)	pH value pH value	Ionicity 离子性	Average particle size 平均粒径 (nm)	Minimum film forming temperature 最低成膜温度MFT (°C)	Glass-transition temperature 玻璃化转变温度Tg (°C)	Uses 用途				Features 特长	
									Surface coating 表面涂层	Inkjet ink absorbing layer IJ吸收层	Pigment binder 颜料粘结剂	Heat-sealing 热封		
VINYBLAN	278	Vinyl chloride-acrylic 醋酸乙烯-丙烯酸酯	43	500	8	Anion 阴离子	180	46	33		○			High level of chromogenic properties. 发色性良好
	603EML	Vinyl chloride-vinyl acetate 氯乙烯-醋酸乙烯酯	50	1000	6	〃	150	20	10			○		Excellent heat sealing properties. 热封性良好
	735	Vinyl chloride-acrylic 醋酸乙烯-丙烯酸酯	30	≤50	8	〃	100	0	42	○				Fine particles. Hydrophilic film forming. 微粒子、形成亲水皮膜
	745	〃	30	≤50	8	〃	70	58	57	○	○	○		Fine particles. High level of chromogenic properties. 微粒子、发色性良好
	1002	Modified vinyl acetate 改性醋酸乙烯酯	44	≤2,000	6.5	Nonion 非离子	140	15	31	○		○		Fine particles. Excellent water-resistance. 微粒子、耐水性良好
	1008	〃	50	1,500	5	Cation 阳离子	700	18	30		○			Excellent adhesion to paper. 对纸的密着性良好
	1028	〃	50	≤10,000	4	〃	1,300	18	30		○			Excellent adhesion to paper. Excellent water-resistance. 对纸的密着性良好、耐水性良好

● Coating 涂层

These emulsion can be used in various coating agents.
It is a soap-free type Emulsion which provides high water resistance.
We offer multiple grades with different hardnesses to best suit your needs.

可用于各种涂层用途, 因为是无皂型, 所以具有高耐水性。
另外, 我们还备有树脂硬度等不同的多种产品。



Grade 等级	Main ingredient 主要成分	Solid content 固体含量 (%)	Viscosity 粘度 (mPa·s)	pH value pH value	Ionicity 离子性	Average particle size 平均粒径 (nm)	Performance 性能				Features 特长	
							Water resistance 耐水性	Solvent resistance 耐溶剂性	Alkali resistance 耐碱性	Adhesion(PET) 附着性(PET)		
VINYBLAN	1725	Acrylic 丙烯酸	30	≤10	8	Anion 阴离子	40	○	○	○	○	Hard type 硬型
	1745	Acrylic 丙烯酸	30	≤10	8	〃	40	○	○			Soft type 软型

● Resin modification 树脂改性

By using our products as coating agents, surface smoothness is added to resin molding products, resin sheets, synthetic leather, and other materials. These products allow mixing with various water-based paints, making them good additives.

通过作为涂层剂使用,可以使树脂成型品、树脂片、合成皮革等具有表面滑爽性。另外可以与各种水性涂料相混合,也可以建议作为添加剂使用。



Grade 等级	Main ingredient 主要成分	Solid content 固体含量 (%)	Viscosity 粘度 (mPa·s)	pH value pH value	Ionicity 离子性	Average particle size 平均粒径 (nm)	Performance 性能				Features 特长	
							Abrasion resistance 耐磨损性	Antifouling property 防污性	Sliding property 滑爽性	Adhesion 附着性		
CHALINE	E-370	Silicone-acrylic 硅-丙烯酸	45	≤500	6~8	Anion 阴离子	300	○		○		Standard type. 标准型
	LC-190	〃	43	≤500	5~8	〃	300	○	○			High silicone type. 高硅型
	E-790	〃	43	≤500	5~8	〃	300	○	○	○		High silicone type. Abrasion resistance. 高硅型、耐磨损性
	RU-911	Silicone-urethane 硅-聚氨酯	36	≤2000	6~9	〃	100	○			○	

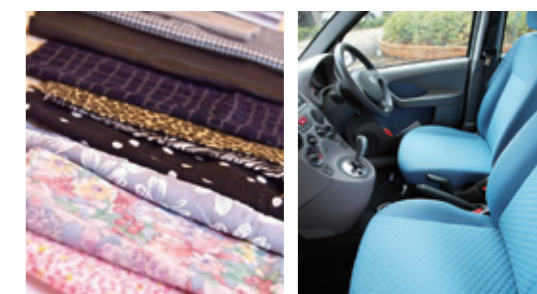
● Textile processing 纤维加工

We quickly respond to our customers' needs with a broad range of products that have various properties, including vinyl chloride, vinyl acetate, and silicone-based products.

We also offer a variety of grades to meet the needs for various textile-processing applications.

我们以快速应对的服务,为您提供氯乙烯系、醋酸乙烯系、丙烯系、硅系等具有多方面性能的产品。

另外,可以满足各种纤维加工用途的产品等级也品类齐全。



Grade 等级	Main ingredient 主要成分	Solid content 固体含量 (%)	Viscosity 粘度 (mPa·s)	pH value pH value	Ionicity 离子性	Minimum film forming temperature 最低成膜温度MFT (°C)	Glass-transition temperature 玻璃化转变温度Tg (°C)	Uses 用途							Features 特长			
								Glass fiber (handlay) 玻璃纤维(手糊成型)	Glass fiber (SMC) 玻璃纤维(SMC模压成型)	Glass cross 玻璃布	Hard finishing 硬加工	Texture finishing 手感调整	Fray prevention 防止磨损	Flame retarding 阻燃加工		Other 其他		
VINYLBLAN	603	Vinyl chloride-vinyl acetate 氯乙烯-醋酸乙烯酯	50	300	7	Anion 阴离子	58	63			○	○						For texture finishing. Excellent plasticizer resistance. 手感调整、耐可塑剂性良好
	902	Vinyl chloride-acrylic 氯乙烯-丙烯酸	50	300	8	〃	80	60				○						For flame retardant hard finishing of non-woven fabric, etc. 无纺布等阻燃硬加工
	1002	Modified vinyl acetate 改性醋酸乙烯	44	≤2,000	6.5	Nonion 非离子	15	31	○			○						Satisfactory compatibility with styrene. Standard grade for hand lay-up method. 苯乙烯相容性良好、手糊成型用标准品
	1008	〃	50	1,500	5	Cation 阳离子	18	30										High ability sizing. standard grade for SMC. 聚焦性良好、SMC用标准品
	1028	〃	50	≤10,000	4	〃	18	30										High ability sizing. High compatibility type with styrene of 1008. 聚焦性良好、1008的苯乙烯相溶性UP品
	GV-6181	Vinyl acetate 醋酸乙烯	50	400	5	Nonion 非离子	18	30					○					Standard grade for Hard finishing. 硬加工标准品
	MI-17	〃	46	500	4	〃	18	35					○					Self-crosslinking type. Hard finishing/Hard type 自我架桥性型、硬加工/硬型
	4003	Modified ethylene-vinyl acetate 改性的乙烯-乙酸乙烯酯	50	2,200	5	〃	≤0	-15	○									For carbon fiber sizing agent. High adhesion. Self-crosslinking type. 用于碳纤维聚焦剂、高密封、自我架桥性型
CHALINE	FE230N	Silicone-acrylic 有机硅-丙烯酸	30	≤500	6~9	Anion 阴离子	≤0	-50									○	Flexible impact resilience. Water repellency. 柔软的回弹性、防水性
	FE502	〃	30	≤50	4~8	〃	≤0	-15									○	Flexibility. Hydrophilicity. 柔软性、亲水性

VINYBLAN:Vinyl chloride type

VINYBLAN(氯乙烯类乳胶)

VINYBLAN

● **Paper processing**(Surface coating, Inkjet ink absorbing layer, Pigment binder)

纸加工(表面涂层、IJ吸收层、颜料粘结剂)

● **Textile processing**(Glass cloth, Hard finishing, Flame retarding)

纤维加工(玻璃布、硬加工、阻燃加工)

VINYBLAN:Vinyl acetate type

VINYBLAN(醋酸乙烯酯类乳胶)

VINYBLAN

● **Paper adhesion**(Spiral paper tube, Parallel paper tube, Envelope, Laminated paper, Paper bag, Box, Gluer)

纸粘合(螺旋纸管、平卷纸管、信封、层压纸、牛皮纸袋、纸箱子、涂胶)

● **Paper processing**(Surface coating, Inkjet ink absorbing layer, Pigment binder)

纸加工(表面涂层、IJ吸收层、颜料粘结剂)

● **Textile processing**(Glass fiber(hand lay), Glass fiber(SMC), Glass cloth, Hard finishing, Texture finishing, Fray prevention, Carbon fiber sizing agent)

纤维加工(玻璃纤维(手糊成型)、玻璃纤维(SMC模压成型)、玻璃布、硬加工、手感调整、阻燃加工、碳纤维聚焦剂用)

CHALINE:Silicone type

CHALINE(硅类)

CHALINE

● **Resin modification**(Abrasion resistance, Antifouling property, Sliding property, Adhesion)

树脂改性(耐磨损性、防污性、滑爽性、附着性)

● **Textile processing**(Texture finishing)

纤维加工(手感调整)

Emulsion Products

For more information about “VINYBLAN” and “CHALINE” please contact:

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WARNING 注意

◆Please follow the instructions on the Safety Data Sheet and Technical Data Sheet.

◆These products are for industrial use only.

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