

INDUSTRIAL GENERAL CATALOG





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ZARIFMOSAVAR
INDUSTRIAL





ABOUT US

Resinpolymer is one of ZarifMosavar subsidiaries with more than two decades of experience in oil and resin manufacturing.

Our technical experts design specific water based emulsions for a wide range of applications.

Our products include vinyl acetate homopolymers, styrene-acrylic copolymers, vinyl-acrylic copolymers, pure acrylic copolymers, XSBR latex, spin finish oils & textile softeners.



ISOTS/16949:2009



ISO10002



ISO9001:2008



PVAC

HOMOPOLYMER

Poly vinyl acetate (PVAc, poly(ethenyl ethanoate): commonly referred to as wood glue, white glue, carpenter's glue, school glue, or PVA glue) is an aliphatic rubbery synthetic polymer with the formula $(C_4H_6O_2)_n$. It belongs to the polyvinyl esters family with the general formula $-[RCOOCHCH_2]-$. It is a type of thermoplastics.

As an emulsion in water, PVAc emulsions are applied as a good adhesive for porous materials, particularly for wood, paper and cloth. The stiff homopolymer PVAc, would be used as base resin in paint and other coatings, as binder in nonwovens, glass fibers, filter papers and textile finishing.

Applications:

- Wood glue (PVAc is known as "white glue" and the yellow as "carpenter's glue".)
- Lower drape sizing
- Paper adhesive during paper packaging conversion
- Wall to wall carpet sizing
- Adhesive in bookbinding and book arts, due to its flexible strong bond and non-acidic nature. (unlike many other polymers)
- Wallpaper adhesive
- Sizing in shoe insole board manufacturing
- Primer for drywall and other substrates



PVAc
 Wood
 Glue
 White
 Glue
 Carpenter's
 Glue
 School
 Glue
 An Artificial
 Rubber
 Polymer

Code	Appearance	Solid Content (%)	Viscosity (Poise) @20 °C	PH	MFFT	Container: Barrel (200Kg)	Chemical Composition
RP 401	White Paste	1 ± 40	1000 - 800	7 - 5	15	*	PVAc Homopolymer
RP 501 L	White Emulsion	1 ± 50	10 - 1	5 - 4	15	*	PVAc Homopolymer
RP 501	White Paste	1 ± 50	1000 - 700	5 - 4	15	*	PVAc Homopolymer
RP 502	White Paste	1 ± 50	1000 - 700	5 - 4	0 <	*	PVAc Homopolymer
RP 503	White Emulsion	1 ± 50	100 - 20	5 - 4	0 <	*	PVAc Homopolymer

COPOLYMER

Acrylate Copolymer is a general term for copolymers of two or more monomers consisting of acrylic acid, methacrylic acid or one of their simple esters. Acrylic copolymer emulsion can be used for formulating premium quality decorative paints for interior application. It imparts excellent gloss, flow and leveling properties besides other improved properties such as excellent colour retention, alkali & UV resistance .

Styrene acrylic copolymer emulsion is a water based dispersion emulsion of styrene acrylic copolymer. Styrene acrylic copolymer family have mixed benefits of styrenics with the optical quality of acrylates.

These kinds of copolymer 's can be used as:

- Concrete & tile adhesive
- Cellophane glue
- White roof coating
- Acrylic paint
- Paper sizing

Vinyl acrylic copolymer emulsion is a stabilized colloid water based copolymer emulsion of vinyl acetate-acrylic copolymer. This product would deliver , great holding power, and high inter molecular strength.

It would be used in manufacturing exterior and interior semi gloss/flat paints.



Code	Appearance	Solid Content (%)	Viscosity [Poise] @20 °C	PH	MFFT	Container: Barrel (200Kg)	Chemical Composition
RP 5030	White Emulsion	1 ± 50	50 - 20	5 - 4	8	*	Vinyl Acrylic Made by 3 Monomers
RP 5020	White Emulsion	1 ± 50	40 - 20	5 - 4	0	*	Vinyl Acrylic Made by 2 Monomers
RP 5033	Bluish White Emulsion	1 ± 50	80 - 30	9 - 7	13 <	*	Styrene Acrylic
RP 5023	Bluish White Emulsion	1 ± 50	80 - 30	9 - 7	0	*	Styrene Acrylic
RP T30	Bluish White Emulsion	1 ± 29	2 - 1	3 - 2	-	*	Pure Acrylic
RP V40	Bluish White Emulsion	1 ± 39	3 - 1	6.5 - 5.5	0 <	*	Vinyl Acrylic Self-Crosslinking

These kinds of copolymer 's can be used as:

- Semi-plastic and plastic paint
- Soft texture sizing
- Carpet back coating



PURE ACRYLIC

Pure acrylic resins are a group of related thermoplastic or thermosetting plastic substances derived from acrylic acid, methacrylic acid or other acrylic monomers. Pure acrylic resin used in an emulsified form for manufacturing lacquer, textile finishes, adhesives etc,.

These kinds of product 's can be used as:

- Lable and tape (BOPP) adhesive
- Ineffective adhesive
- Cellophane glue
- Acrylic paint
- Soft and hard texture sizing
- Curtain sizing

Lable adhesive tape adhesive

A Group of related thermoplastuc or thermosetting plastic substances



Code	Appearance	Solid Content (%)	Viscosity (Poise) @20 °C	PH	MFFT	Container: Barrel (200Kg)	Chemical Composition
RP 55	White Emulsion	1 ± 55	8 - 3	6 - 4	-	*	Pure Acrylic
RP 55N	White Emulsion	1 ± 55	7.5 - 3.5	8 - 6	-	*	Pure Acrylic
RP F01	White Emulsion	1 ± 50	15 - 5	3 - 2	-	*	Pure Acrylic
RP H60	White Emulsion	1 ± 55	3 - 2	3 - 2	-	*	Pure Acrylic
RP 4501	Bluish White Emulsion	1 ± 45	8 - 2	4 - 2	35	*	Pure Acrylic Self-Crosslinking
RP 4502	Bluish White Emulsion	1 ± 45	8 - 2	4 - 2	2	*	Pure Acrylic Self-Crosslinking
RP C450	Bluish White Emulsion	1 ± 45	3.5 - 1.5	8 - 6	0 <	*	Pure Acrylic



XSBR LATEX

RPX and RPN are aqueous dispersion of carboxylated styrene-butadiene copolymer. Styrene-butadiene carboxylated latex are among the most worldwide used elastomers, employed in a large variety of applications which significantly contribute to our standards of living.

RPX is used as a stiffener for conventional coating and designed for non-woven fabric impregnation and coating such as automotive products, needle punch carpets. This kind of latex has good adhesion to most surfaces, high degree of stiffness, excellent water resistance and high durability.

Code	Appearance	Solid Content (%)	Viscosity (Poise) @20 °C	PH	Density @ 20 °C (gr / cm ³)	Container	Chemical Composition
RPX 25	White Emulsion	1 ± 50	3 - 2	8 - 7	1.01	Barrel / IBC	Carboxylated Styrene Butadiene Rubber Emulsion
RPX 48		1 ± 50	3 - 1	8 - 7	1.01	Barrel / IBC	
RPX 55		1 ± 50	3 - 1	8 - 7	1.01	Barrel / IBC	
RPX 10		1 ± 50	5 - 2	9 - 8	1.01	Barrel / IBC	
RPX 15		1 ± 50	6 - 2	8 - 7	1.01	Barrel / IBC	



PPX
Is an aqueous
dispersion of a
carboxylated
styrene
butadiene
copolymer

Code	Appearance	Solid Content (%)	Viscosity (Poise) @20 °C	PH	Density @ 20 °C (gr / cm ³)	Container	Chemical Composition
RPN 15	White Emulsion	1 ± 50	4 - 2	8 - 7	1.01	Barrel / IBC	Carboxylated Styrene Butadiene Rubber Emulsion
RPN 25		1 ± 50	4 - 2	8 - 7	1.01	Barrel / IBC	
RPN 5		1 ± 50	5 - 1	9 - 8	1.01	Barrel / IBC	

SPIN FINISH OIL

Spin finishes are some kinds of the lubricants which provide surface lubricating, plasticizing and static protection to man-made fibers. They are applied in fluid condition just before winding up.

Applications of spin finishes:

- To lubricate yarn.
- To reduce static electricity.
- To increase cohesion of the yarn.

Code	Appearance	Density @ (gr / cm ³)	PH (%5 Solution)	Active Substance (%)	Chemical Composition	Dilution	Solubility in Water	Application
SFP01	Clear Liquid	1.06	7	%80	Non-Ionic Emulsion	-	Soluble	Spin Finish Oil for POY Fiber
SFS202	Yellowish	-	7	%8	Cationic Solid Wax	%14 in 70 °C Water		Spin Finish Oil for Recycled Softening PET Fiber
SFB4521	Clear Liquid	1.01	7	%70 - 60	Non-Ionic Emulsion	%100 in Water		Spin Finish Oil for PEt, PP, PA* Fiber



Different types of spin finishes:

- Lubricants: Used to control the friction of the fiber. For instance: Oils, poly glycols.
- Plasticizers: applied to make the fiber more flexible by reducing the Tg value and also reduce the brittleness. For Example: silicate, dibutyl.
- Anti static agent: Used to reduce the static charge of fiber. Example: Lithium chloride, Butyl stearate.

Properties of spin finishes:

- Providing cohesion of the filament
- No oxidation in the air
- Having good wetting properties
- Not encouraging bacterial growth
- Not being carcinogenic
- Having anti static properties

Code	Appearance	Density @ (gr / cm ³)	PH (%5 Solution)	Active Substance (%)	Chemical Composition	Dilution	Solubility in Water	Application
SF3221	Reddish liquid	1.01	7	%70	Non-Ionic Emulsion	%10 in Water	Soluble	Carding and Spin Finish Oil for PET and PP Fiber
SD3121	Reddish liquid	1.01	7	%70		%10 in Water		
SF4221	Yellowish Lucid Liquid	1.01	7	%60 - 50		%10 in Water		
SD4321	Yellowish Lucid Liquid	1.01	7	%70 - 60		%10 in Water		
SD4121	Yellowish Lucid Liquid	1.01	7	%60 - 50		%10 in Water		
SFA1050	Clear Liquid	1.01	7	%60 - 50		%10 in Water		Anti Static Oil for PET & PP Fiber

USAGE DIVERSIFICATION TABLE

Code	Adhesive										Paint & Coating					Sizing							
	Carton Packaging	Wood Adhesive	Tile Adhesive	Concrete Adhesive	Lable Adhesive	Tape Adhesive (BOPP)	Ineffective Adhesive	Cellophane Glue	Laminate Adhesive	White Roof Coating	Kinitex	Acrylic Paint	Plastic Paint	Semi-Plastic Paint	Thickener	Printing Binder	Carpet Back Coating	Woven Sizing	Texture Hard Sizing	Texture Soft Sizing	Filter	Curtain	Paper
Homopolymer Resin	RP 401	*														*	*	*		*			
	RP 501 L	*														*	*	*		*	*		
	RP 501	*	*													*	*	*		*	*		
	RP 502	*							*			*	*			*			*	*			
	RP 503	*							*							*			*	*			
Copolymer Resin	RP 5030		*					*		*			*			*					*		
	RP 5020	*						*					*			*							
	RP 5033			*							*												*
	RP 5023				*			*		*	*												
	RPT 30													*									
	RPV40							*							*				*				



Code	Adhesive							Paint & Coating						Sizing									
	Carton Packaging	Wood Adhesive	Tile Adhesive	Concrete Adhesive	Label Adhesive	Tape Adhesive (BOPP)	Ineffective Adhesive	Cellophane Glue	Laminate Adhesive	White Roof Coating	Kinitex	Acrylic Paint	Plastic Paint	Semi-Plastic Paint	Thickener	Printing Binder	Carpet Back Coating	Woven Sizing	Texture Hard Sizing	Texture Soft Sizing	Filter	Curtain	Paper
Pure Acrylic Resin	RP 55				*	*																	
	RP 55N				*	*																	
	RPF 01						*																
	RPH 60						*	*															
	RP 4501																		*			*	
	RP 4502											*								*			
	RPC 450								*														
XSBR Resin	RPX 25																		*				
	RPX 48																		*				
	RPX 55																		*				
	RPN 15											*	*							*			*
	RPN 25																			*			
	RPX 10											*	*						*				*
	RPX 15											*	*										
	RPN 5				*															*		*	

SPECIFICATION

COMPREHENSIVE TABLE

Code	Homopolymer Resin					Copolymer Resin						
	RP 401	RP 501 L	RP 501	RP 502	RP 503	RP 5030	RP 5020	RP 5033	RP 5023	RPT 30	RPV 40	
Specification	Appearance	White Paste	White Emulsion	White Paste	White Paste	White Emulsion	White Emulsion	White Emulsion	Bluish White Emulsion	Bluish White Emulsion	Bluish White Emulsion	Bluish White Emulsion
	Tg (°C)	25	25	25	0	0	14	5	13	0>	-	0
	Solid Content (%)	1 ± 40	1 ± 50	1 ± 50	1 ± 50	1 ± 50	1 ± 50	1 ± 50	1 ± 50	1 ± 50	1 ± 29	1 ± 39
	Viscosity (Poise) @20 °C	800 to 1000	1 to 10	700 to 1000	700 to 1000	20 to 100	20 to 50	20 to 40	30 to 80	30 to 80	1 to 2	1 to 3
	PH	75-	54-	54-	54-	54-	54-	54-	97-	97-	32-	65-
	MFFT	15	15	15	0 <	0 <	8	0	<13	0	-	0>
	Container: Barrel (200Kg)	*	*	*	*	*	*	*	*	*	*	*
	Chemical Composition	PVAc Homopolymer					Vinyl Acrylic by 3 Monomers	Vinyl Acrylic by 2 Monomers	Styrene Acrylic	Styrene Acrylic	Pure Acrylic	Vinyl Acrylic



SPECIFICATION

COMPREHENSIVE TABLE

Pure Acrylic Resin							Pure Acrylic Resin							
RP 55	RP 55N	RPF 01	RPH 60	RP 4501	RP 4502	RPC 450	RPX 25	RPX 48	RPX 55	RPX 10	RPX 15	RPN 25	RPN 15	RPN 5
White Emulsion	White Emulsion	White Emulsion	White Emulsion	Bluish White Emulsion	Bluish White Emulsion	Bluish White Emulsion	White Emulsion	White Emulsion	White Emulsion	White Emulsion	White Emulsion	White Emulsion	White Emulsion	White Emulsion
32-	40-	30-	40-	38	5	0	25	48	55	10	15	25-	15-	5-
1 ±55	1 ±55	1 ±50	1 ±55	1 ±45	1 ±45	1 ±45	1 ±50	1 ±50	1 ±50	1 ±50	1 ±50	1 ±50	1 ±50	1 ±50
3 to 8	3.5 to 7.5	5 to 15	2 to 3	2 to 8	2 to 8	1.5 to 3.5	2 to 3	1 to 3	1 to 3	2 to 5	2 to 6	2 to 4	2 to 4	1 to 5
54-	86-	32-	32-	42-	42-	86-	87-	87-	87-	98-	87-	87-	87-	98-
-	-	-	-	35	2	0>	-	-	-	-	-	-	-	-
*	*	*	*	*	*	*	*/IBC	*/IBC	*/IBC	*/IBC	*/IBC	*/IBC	*/IBC	*/IBC
Pure Acrylic							Carboxylated Styrene Butadiene Rubber Emulsion							



Industrial group
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ZarifMosavar Overview

Note

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
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