



In the production of man-made fibers, the first step after filament formation is spin finish application. Spin finish is a liquid multicomponent formulation that protects the newly formed fiber by coating it. Properly distributed Spin Finish on fibers allow the fibers to run more smoothly through spinning machines and ensure rapid and more reliable operation.

An important function of the spin finish is to prepare the fiber for subsequent processing steps, such as crimping, spinning, texturing and weaving.

Composition of spin finishes:

- Lubricants
- Emulsifiers
- Wetting agents
- Antistatic agents
- Cohering agents
- Antioxidants
- Antifoams
- Other additives

Properties of spin finishes:

- Increasing the Cohesion of Yarn & Fiber
- Having Antistatic Characteristics
- Protecting the Fibers against shrinkage
- Not encouraging bacterial growth
- Lubricant of BCF Yarn & Fibers surfaces
- Correcting of Fibers friction coefficient
- Maintaining thermal stability

• TECHNICAL DATA SHEET (SPIN FINISH OIL)

Product Name	Appearance	Density (g/cm3)	PH Solution (5%)	Active Substance (%)	Chemical Composition	Dilution	Solubility In water	Application
RG-20200	Thick Creamy Liquid	-	7	8	Cationic Emulsion	14% in 70°C water	Soluble	Spin-Finish Oil for Recycled PET Fiber
ST-4521	Clear Liquid	1.01	7	60 - 70	Non-Ionic Emulsion	-	Soluble	BCF & CF Spin-Finish Oil for PET, PP, PA Yarn
ST-3121	Reddish liquid	1.01	7	90 - 100	Non-Ionic Emulsion	10% In Water	Soluble	Carding & Spin Finish Oil for PET & PP Fiber
ST-4221	Yellowish Lucid Liquid	1.01	7	50 - 60	Non-Ionic Emulsion	10% In Water	Soluble	
ST-4321	Yellowish Lucid Liquid	1.01	7	60 - 70	Non-Ionic Emulsion	10% In Water	Soluble	
ST-1050	Clear Liquid	1.01	7	10 - 20	Non-Ionic Emulsion	10% In Water	Soluble	Anti-Static Oil for PET & PP Fiber



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RESIN POLYMER



XSBR LATEX

PVAc HOMOPOLYMER

SPIN FINISH OIL





ABOUT RESIN POLYMER CO.

Resin polymer Co. is one of Zarif Mosavar subsidiaries with more than two decades of experience in production of different types of oil, latex and resin. Our technicians have designed specific water-based emulsions for a wide range of applications. Our products ranges are included as Poly vinyl acetate homopolymers, styrene-acrylic copolymers, vinyl-acrylic copolymers, pure acrylic copolymers, XSBR latex, spin-finish oils & textile softeners.

ABOUT ZARIF MOSAVAR INDUSTRIAL GROUP

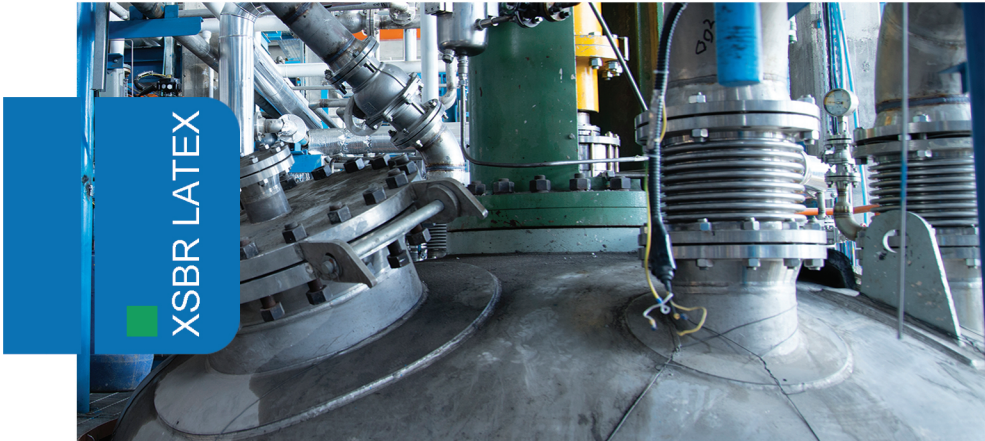
Zarif Mosavar Manufacturing Industrial Group as the largest manufacturer of raw materials in textile industry and wall to wall carpets, located in Boroujen in Iran, has started its activity since 1984 with the primary production capacity of five million Square meters (m²) per year, while its present capacity is 50 million square meters per year. Zarif Mosavar Company also uses its own raw materials in its production lines in order to make sure that the final products have outstanding quality and appropriate effectiveness.

Zarif Mosavar Certificates and Honors:

- International trophy of quality in 1998 in Paris
- Certificate from the Ministry of Industry, Mining and Trade, in 2012.
- Certificate of compliance with consumer rights
- ISO 9001:2008 certificate from IMQ in 2011
- ISO/TS 16949:2009 certificate from IMQ in 2011
- Certificate of appreciation of Top exporter from trade promotion organization in Iran

Regal Petrochemical Co.

One of the most important projects of Zarif Mosvar Company, is the establishment and ownership of “Regal Petrochemical” Which is the first private petrochemical sector in Iran and produces polypropylene granules in full grades.



Our products (under name of Repolex) 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.

XSBR latex is used as a stiffener for conventional coating and designed for nonwoven fabric impregnation, sizing and back coating of automotive carpets/needle-punched carpets, Paper Coating, Construction adhesive and Mortar modification.

This kind of latex has flexible and transparent film, excellent adhesion to synthetic fibers, and high degree of stiffness, excellent water resistance and high durability.

• TECHNICAL DATA SHEET (XSBR LATEX)

Product Name	Appearance	Solid Content (%)	Viscosity (cP) @20°C	PH	Density @ 20°C(g/cm³)	Container	Chemical Composition
Repolex 300	White Emulsion	49-51	150-600	6.5 - 8	1.01	Barrel/IBC	Carboxylate Styrene Butadiene Latex
Repolex 305		49-51	150-600	7 - 8	1.01	Barrel/IBC	
Repolex 310		49-51	150-650	7 - 8	1.01	Barrel/IBC	
Repolex 315		49-51	150-700	7 - 8	1.01	Barrel/IBC	
Repolex 325		49-51	150-650	7 - 8	1.01	Barrel/IBC	
Repolex 355		49-51	100-500	7 - 8	1.01	Barrel/IBC	
Repolex 505		49-51	300-800	6.5 - 8	1.01	Barrel/IBC	
Repolex 510		49-51	200-750	6.5 - 8	1.01	Barrel/IBC	
Repolex 515		49-51	200-750	6.5 - 8	1.01	Barrel/IBC	
Repolex 520		49-51	200-700	6.5 - 8	1.01	Barrel/IBC	

• USAGE DIVERSIFICATION TABLE (XSBR LATEX)

Product Name		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	Knitex	Acrylic Paint	Plastic Paint	Semi-Plastic Paint	Thickener	Printing Binder	Carpet Back Coating	Woven Sizing	Texture Hard Sizing	Texture Soft Sizing	Filter	Curtain	Paper
XSBR LATEX	Repolex 300																		*					
	Repolex 305				*													*	*	*				*
	Repolex 310												*	*				*	*				*	*
	Repolex 315												*	*				*					*	*
	Repolex 325																*	*						
	Repolex 355																		*					
	Repolex 505																			*		*		
	Repolex 515												*	*						*				
	Repolex 520																			*				
																					*			



Poly Vinyl Acetate Homopolymer (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 (C4H6O2)n. It belongs to the polyvinyl esters family with the general formula - [RCOOCHCH2]-. 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
- Wallpaper adhesive
- Adhesive for bookbinding
- Carpet back coating
- Wallpaper adhesive
- Shoe insole board manufacturing
- Primer for drywall and other substrates

• TECHNICAL DATA SHEET (PVAc HOMOPOLYMER)

Product Name	Appearance	Solid Content (%)	Viscosity (cP) @20°C	PH	MFFT	Packing 200 Kg	Chemical Composition
RP 400	White Paste	40 ± 1	30000 –60000	4 – 6	15 –20	Drum	PVAc Homopolymer
RP 501L	White Emulsion	50 ± 1	1000 –10000	4 – 6	15 –20	Drum	PVAc Homopolymer
RP 501	White Paste	50 ± 1	70000 –100000	4 – 6	15 –20	Drum	PVAc Homopolymer
RP 502	White Paste	50 ± 1	5000 –70000	4 – 6	< 0	Drum	PVAc Homopolymer

• USAGE DIVERSIFICATION TABLE (PVAc HOMOPOLYMER)

Product Name	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
RP 400		*															*	*	*		*		
RP 501L		*	*														*	*	*		*	*	
RP 501		*															*	*	*		*	*	
RP 502		*							*			*	*				*		*	*			