

Products for textile industry

More than 50 years of expertise in the production of water-based polymer



Type	APEO free	Policril	Stabilisation	Solid content (%) viscosity-RVT (mPa.s.)	Brookfield viscosity-RVT (mPa.s.)	pH	Particle size (µm)	Tg (°C)	CH2O (ppm) average	General properties and applications
All-acrylic and vinyl-acrylic copolymers	✓	301R	S	45	300	5,5	0,2	-45	300	coating and flocking
	✓	304R	S	45	200	3	0,2	-19	300	coating, flocking and imitation leather
	✓	305R	S	45	150	6,5	0,2	-9	300	non woven, finishing doping and imitation leather
	✓	306R	S	45	200	4,5	0,2	=		binder for waddings
	✓	305RB	S	38	<150	5,5	0,2	-9		binder for waddings
	✓	307R	S	45	200	6,5	0,2	34	300	waddings, finishing and doping
	✓	309R	S	50	150	2,8	0,2	36	300	waddings, finishing and doping
	✓	311R	S	45	200	5,5	0,2	=		coating, non woven
	✓	312R	S	45	200	5	0,2	=		binder for waddings
	✓	314R	S	45	200	5	0,2	-2	300	binder for woven non woven, finishing
	✓	315R	S	45	200	5	0,2	=		non woven, finishing doping
	✓	319R	S	45	200	5	0,2	42	300	binder for waddings
	✓	320R	S	45	200	5	0,2	45	300	binder for waddings and abrasive fibers
	✓	321R	S	45	200	5,5	0,2	=		waddings, finishing and doping
	✓	326R	S	45	200	4	0,2	=		finishing
	✓	350R	S	45	200	5	0,2	-13		binder for printing textile
	✓	354R	S	53	<500	5	0,2	-8	<100	binder for non woven and waddings
	✓	355RB	S	40	<300	6,5	0,2	-24		binder for pigment printing
✓	359R	S	45	200	6,5	0,2	=		binder waddings	
All-acrylic without formaldehyde	✓	801R	S	49	<500	7	0,2	-40	✓	coating and flocking
	✓	805R	S	49	<500	7	0,2	-12	✓	coating, printing, non woven
	✓	807R	S	45	<500	7	0,2	35	✓	waddings and non woven
	✓	845R	S	53	<1000	7	0,2	-12	✓	printing, non woven, waddings
Styrene-acrylic copolymers	✓	369R	S	40	<500	3	0,2	-16	500	washing resistant binder for printing textile
	✓	374R	S	40	<100	4	0,2	31	500	impregnation of woven non woven for bitumen membranes
	✓	375R	S	45	<500	3	0,2	44		impregnation of waddings
Acrylic thickeners	✓	AR	S	30,5	50	3	0,1		nr	Low thickening ASE
	✓	A	S	30,5	50	3	0,1		nr	Medium thickening ASE
	✓	AD	S	30,5	50	3	0,09		nr	High thickening ASE
	✓	AK	S	30,5	50	3	0,09		nr	High thickening HASE

P: polymer; S: surfactant; I: indoor; O: outdoor; ASE: alkali soluble emulsion; HASE: hydrophobically modified alkali soluble emulsion

At the beginning of the 70s FAR started the production of acrylic and styrene-acrylic copolymers. The possibility to adjust the monomer composition allows the formulation of binders with a great variety of softness and stiffness. Therefore acrylic copolymers are perfectly suited for the textile applications. For the pigment printing, Policril 305R is recognized as the reference product. Policril 369R is specifically designed to provide an excellent retention of color after washing; Policril 354R stands out for his brilliant retention of color, very good solvent resistance and very low formaldehyde content, which brings about the possibility to be largely within the limits of the release of formaldehyde. For waddings and TNT our Policril are used both as binders of TNT and as finishing systems of the surfaces to improve chemical and mechanical resistances. The range is wide and covers all the requests for stiffness and flexibility and the chemical and mechanical resistances. Policril binders can also be used as textile coatings and for flocking, where Policril 301R and Policril 304R provide the best adhesion performances.