




PRODUCT GUIDE

Emulsion Polymers, Finished Compounds
and Chemical Auxiliaries

A photograph of laboratory glassware and powders. In the foreground, there is a large Erlenmeyer flask containing a blue liquid, a graduated cylinder containing a white liquid, and a smaller Erlenmeyer flask containing a yellow liquid. To the left of the blue flask is a pile of dark brown powder, and to the right of the yellow flask is a pile of white powder. The background is dark and out of focus.

Vinyl Acetate Ethylenes
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Vinyl Acetate Ethylenes

Polymer	% Solids	Viscosity	pH	Particle Size, nm	Charge	Tg	Cross-linkable	Comments
Unibond TX-830	55	1800	4.5	1500	N	+18	No	Polyvinyl alcohol stabilized emulsion
Unibond TX-835	60	1000	4.5	1800	N	+5	No	Polyvinyl alcohol stabilized emulsion for carpet backing apps.
Unibond TX-845	55	<400	6.5	280	A	+9	No	Designed for high filler loading applications in textile & construction markets
Unibond TX-848	63	1200	5.0	2000	N	+2	No	Designed for high filler loading in carpet applications
Unibond TX-850	55	2500	5.0	2000	N	0	No	General purpose carpet/upholstery. PVOH stable
Unibond TX-855	50	<200	4.0	250	A	+5	Self	Surfactant stabilized
Unibond TX-730	50	<500	7.0	200	A	0	No	Surfactant stabilized

Vinyl Acetate Homopolymers

Polymer	% Solids	Viscosity	pH	Borax Stability	Charge	Tg	Cross-linkable	Comments
Unibond H-100	55	1200	5.0	No	N	+30	No	General purpose hand builder
Unibond HS	45	<150	3.0	Yes	A	+30	Self	Exceptional stiffness, fast cure. Excellent foamability
Unibond SBX	55	1500	5.0	Yes	N	+30	No	Borax stable, use with water repellent finishes
Unibond TX-800	56	2500	5.0	No	N	+30	No	Medium viscosity general purpose homopolymer
Unibond TX-805	55	3800	5.0	No	N	+30	No	Higher viscosity general purpose homopolymer
Unibond TX-586	50	500	6.5	Yes	A	+30	No	Low foaming, low VOC for textile coating applications
Unibond TX-2150	50	200	6.5	Yes	A	+30	No	APEO free version of TX-586 for textile coating applications

Acrylic Polymers

Polymer	% Solids	Viscosity	pH	Particle Size, nm	Charge	Tg	Cross-linkable	Comments
Unibond AC-142	64	250	6.9	400	A	-42	yes	General purpose adhesive product
Unibond AC-137	60	500	5.0	230	A	-37	yes	Plasticizer resistant adhesive w/ acrylonitrile
Unibond AC-135	50	500	3.0	150	A	-35	Self	Very soft, non-tacky polymer for backcoating applications
Unibond AC-126	59	100	3.5	280	A	-26	yes	High solids textile polymer for backcoating applications
Unibond AC-125	55	250	9.0	200	A	-25	yes	Plasticizer resistant adhesive w/ acrylonitrile
Unibond AC-120	40	250	7.7	150	N	-20	Self	Soft pigment print polymer, excellent stability w/ cationic
Unibond AC-104	49	300	2.2	150	A	-4	Self	Soft crosslinking polymer used in textile applications where flame retardancy is demanded
Unibond AC-230	50	525	3.0	150	A	30	Self	High solids hand builder
Unibond AC-236	50	125	3.6	150	A	36	yes	High gloss polymer used in coating applications

Vinyl Acrylics

Polymer	% Solids	Viscosity	pH	Particle Size, nm	Charge	Tg	Cross-linkable	Comments
Unibond VA-105	54	500	5.5	200	A	-5	yes	Designed for use in formulas for caulk & sealant applications
Unibond VA-211	55	450	4.0	200	A	11	yes	High solids polymer used for caulk, sealant and adhesive applications
Unibond VA-230	45	50	4.0	180	A	30	self	High strength polymer with excellent mechanical stability used as a binder in nonwoven applications

Styrene Acrylics

Polymer	% Solids	Viscosity	pH	Particle Size, nm	Charge	Tg	Cross-linkable	Comments
Unibond SA-122	63	600	5.0	350	A	-22	yes	High solids, self thickening, high water resistant polymer
Unibond SA-115	50	800	2.5	350	A	-15	yes	Formaldehyde-free polymer w/ excellent water resistance, soft hand, and good aging
Unibond SA-112	50	450	3.7	500	A	-12	self	Excellent polymer w/ excellent water resistance, soft hand, and superior aging
Unibond SA-107	65	500	4.0	500	A	-7	yes	High solids, high water resistant polymer
Unibond SA-106	65	600	5.0	450	A	6	yes	High solids, self thickening, high water resistant polymer
Unibond SA-220	65	450	4.5	350	A	20		High solids copolymer for adhesive, coatings, and sealant
Unibond SA-223	49	800	2.6	350	A	23	yes	Formaldehyde-free polymer w/ good water resistance for textile applications
Unibond SA-238	50	150	7.0	150	A	38	yes	Silane-modified polymer w/ excellent water resistance & coatings & adhesives
Unibond SA-245	45	100	4.0	120	A	45	yes	A styrene acetate polymer developed for very stiff durable adhesion
Unibond AC-250	50	250	3.5	150	N	50	No	Ultra high water resistant hand builder for nonwoven applications

Styrene Butadienes

Polymer	% Solids	Viscosity	pH	Particle Size, nm	Charge	Tg	Cross-linkable	Comments
Unibond SB-124	53	400	8.7	190	A	-24		Strong & soft polymer used in textile and nonwoven
Unibond SB-120	42	50	11.0	250	A	-20	No	Non-carboxylated SBR that provides a soft film
Unibond SB-108	54	500	8.0	210	A	-8	yes yes	Low voc emulsion for textile and nonwoven applications
Unibond SB-211	52	200	8.5	170	A	11	yes	Strong and capable of highly filled systems for carpet and textile applications

Finished Compounds

Finished Compounds						
Product	% Solids	Viscosity	pH	Density	Application	Comments
Unibond CPD-1	63	1,500	7.5	11	FOAM	Latex compound for use as a fire retardant coating on mattress barrier fabrics
Unibond CPD-2	50	12000	10.0	10.5	FOAM	Fire-retardant acrylic compound for transportation fabrics
Unibond CPD-3	55	14,000	9.5	9.4	FOAM	A halogen free flame retardant developed for barrier type substrates
Unibond CPD-4	50	5,000	9.5	10	FOAM	A halogen free flame retardant developed for mattress ticking applications
Unibond CPD-5	47	12,000	9.5	9.8	FOAM	Durable flame retardant compound for polyester/nylon/polypropylene/cotton and blends
Unibond CPD-6	57	13,000	9.5	10.2	FOAM	Flame retardant upholstery finished compound
Unibond CPD-7	35	5,000	9.1	9.7	FOAM	Flame retardant compound for wall coverings applications
Unibond CPD-8	53	9,000	9.2	9.6	FOAM	General purpose soft & strong upholstery backcoating compound
Unibond CPD-9	44	6,000	9.4	9.3	FOAM	A very soft formaldehyde free upholstery backcoating compound
Unibond CPD-10	55	9,000	9.5	9.5	FOAM	General purpose strong with a medium hand upholstery backcoating compound
Unibond CPD-11	55	13,000	9.5	9.8	FOAM	Very strong with a medium hand upholstery backcoating compound
Unibond CPD-12	58	9,000	9.5	9.5	FOAM	A strong & soft upholstery compound
Unibond CPD-13	51	6,000	9.6	9.6	FOAM	General purpose soft & strong mattress ticking compound
Unibond CPD-14	44	100	3.0	8	FOAM	A soft fleece fabric compound with a soft hand
Unibond CPD-15	53	1,500	9.5	8.1	PAD	Abrasion resistant out door strapping compound with a soft hand
Unibond CPD-16	41	< 500	7.0	8.5	FOAM	Hydrophobic, medium hand compound with good abrasion resistance
Unibond CPD-17	49	<1000	2.5	8.8	PAD	Self-cross-linking, firm compound for textiles and no-wovens
Unibond CPD-18	53	10000	8.5	9	FOAM	Soft acrylic compound for outdoor fabrics. Excellent UV ageing properties
Unibond CPD-19	50	3000	9.5	9	PAD	Self-crosslinking firm compound for paint roller covers
Unibond CPD-20	45	< 150	7.5	8.6	SPRAY / FOAM	Tack binder for high-loft filtration media. Ultra soft
Unibond CPD-21	50	< 150	7.0	8.8	SPRAY / FOAM	Tack binder for high-loft filtration media. High tack & good film color
Unibond CPD-22	40	< 500	7.0	9.5	FOAM	Hydrophobic, medium hand compound with good water and abrasion resistance
Unibond CPD-23	46	2,000	9.5	10	FOAM	Latex compound for use as a coating on mattress ticking fabrics
Unibond CPD-24	53	1,000	6.0	8.7	FOAM / KISS COAT	VAE compound for carpet and textiles. Low residual monomers & formaldehyde

Chemical Auxiliaries

Product	% Solids	Viscosity	pH	Comments
Accelerator 1465	61	2000	10.0	Zinc oxide dispersion for pigmenting and for vulcanizing latex rubber.
Accelerator 1712	18	N/A	9.0	Acid catalyst for thermosetting resins.
Accelerator 1610	50	N/A	N/A	Blocked diisocyanate for use in aqueous systems to promote adhesion.
Flamex 1916	93	150	3.0	Phosphorus flame retardant developed for use on polyester and polyester blended substrates
Flamex 2670	20	150	5.0	Economical flame retardant developed for use on polyester and polyester blended substrates
Flamex 1924E	8	150	9.0	A high water resistant flame retardant develop for a variety of substrates
Flamex 0931	47	200	6.0	Flame retardant for hydrophilic substrates
Flamex 0982	47	150	6.0	Phosphate ester flame retardant for cellulosic textiles
Thickener 2638	36	N/A	3.0	Highly efficient, high solids, alkali-soluble acrylic thickener for coatings, pigment dispersions and resin latex
Unibond RFL	16-20	<100	8.0 - 10.0	Resorcinol formaldehyde latex compounds of various rubber polymer bases
Unibond 0360	28	N/A	3.0	High molecular weight, alkali-soluble acrylic thickener for coatings, pigment dispersions and resin latex
Unifroth 0144	20	N/A	6.0-8.0	Froth aid/surfactant designed for use with fluorochemical finishes. Excellent foam stabilizer, thermally degradable.
Unifroth 0520	95	N/A	8.0-10.0	Froth aid/surfactant designed for use with fluorochemical finishes. Excellent foam stabilizer, thermally degradable. Use for substrates that are difficult to wet.
Unifroth 0857-A	45	N/A	7.0-9.0	Formulated surfactant system to be used with a wide variety of chemicals, including all types of latexes and filled compounds. Excellent stabilizing properties; generated stable uniform foam.
Unifroth 1942	33	N/A	6.0-9.0	Froth aid/surfactant designed for use with fluorochemical finishes. Excellent foam stabilizer, thermally degradable. For lower temperature applications.

Chemical Auxiliaries

Comments				
Product	% Solids	Viscosity	pH	
Unifroth 1387	70	N/A	5.0-7.0 (1%)	Excellent wetting agent and emulsifier. Reduces surface tension; increases absorbency and penetration. Used in textiles, paper and paint formulations.
Unifroth 1672	50	N/A	7.0-9.5 (10%)	Froth aid/surfactant designed for use in higher pH systems. Excellent emulsifying and stabilizing properties. Effective wetting agent. Prevents pad roll build-up.
Unifroth 0529	31	N/A	6.5-8.5	Cationic surfactant designed to yield very fine stable bubble structure. Successful in foaming numerous polymer systems with multiple filler types.
Unifroth 0154	30	N/A	7.5-8.5	Anionic frothing aid. Imparts excellent foaming characteristics to substances that are difficult to foam. Successful in foaming numerous polymer systems with multiple filler types.
Unifroth 0385	33	0-300	9.5-11.0	Froth aid designed for use in textile applications. Useful in upholstery backcoatings, drapery foam coatings, flocked coatings, etc.
Unigard 3145	30	N/A	3.5	Non-fluorinated (C-0), acrylic based emulsion designed to impart water repellency and stain repellency/cleanability on synthetic and synthetic/natural blends for apparel, upholstery, automotive, outdoor and other textile fabrics
Unigard 3150	30	N/A	5.0	Non-fluorinated (C-0), acrylic-wax based emulsion designed to impart water repellency and stain repellency/cleanability on synthetic and synthetic/natural blends for apparel, upholstery, automotive, outdoor and other textile fabrics.
Unigard 3193	59	N/A	8.5	Non-fluorinated (C-0), silicone hybrid-based emulsion designed to impart water repellency and water-based stain repellency/cleanability on synthetic and synthetic/natural blends for apparel, upholstery, automotive, outdoor and other textile fabrics.
Unigum 2720	10	35000	7.0	Low viscosity de-polymerized guar for dyestuff and discharge printing
Unigum VGS	4.5	25000	7.5	Natural / synthetic thickener for vat dyes
Unigum VGN	6	15000	10.5	Natural thickener for discharge and vat dyes
Unilev 0252	15	900-5000	5.5-8.0	Antimigrant solution polymer for pigment pad dyeing of cotton and PET/cotton fabrics
Unilube 2741	32	N/A	8.0	General purpose, non-reactive silicone textile softener
Unirez 2256	25	N/A	3.0	Pre-catalyzed thermosetting resin for cellulose contain fabrics. Ultra-low formaldehyde
Unisil 2206	13.5	N/A	3.5	Silicone softener for all fabric types. Very soft hand with little or no yellowing
Unisoft 2546	22	200 max	3.5-5.5	High activity cationic softener with excellent heat and discoloration resistance. Can be applied via pad and exhaust.



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