

# Asahi Kasei **SB Latex** Styrene butadiene-based emulsion

SB latex is a water-based emulsion of styrene-butadiene copolymer particles. Featuring high elasticity and adhesive strength, SB latex is widely used in paper coating, carpet backing, wood lamination, and many other applications.

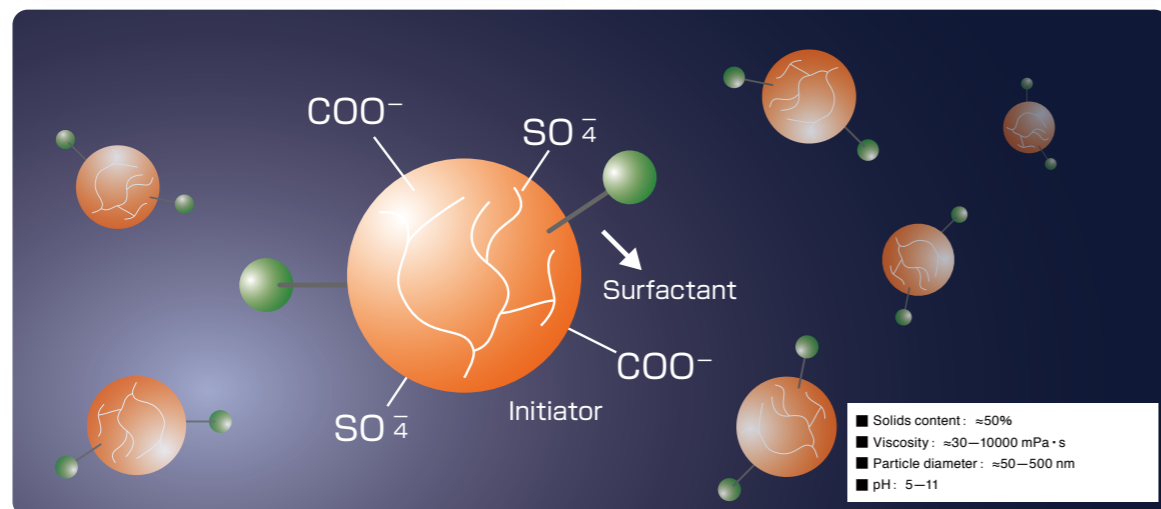
## Features of SB Latex

High elasticity

Excellent low-temperature properties

High resistance to water, acid, and alkali

Excellent chemical stability



## Typical application example

**Paper processing**  
Moisture-proof paper, release paper, corrugated cardboard (water repellent, adhesive), impregnated paper (sandpaper, etc.), Other specialty papers

**Fiber processing**  
Carpet backing, nonwoven binder, Impregnated nonwoven fabric

**Adhesive/Pressure sensitive adhesive**  
Laminated lumber, veneer, plywood, PVC floor tiling

**Civil engineering**  
Miscible with mortar  
Miscible with cement

**Glass fabric processing**  
Binder, surface treatment

**Paint**  
Rustproofing, vibration damping, Primer/undercoat for exterior of buildings, Various primers

**Others**  
Prevention of cracks in wood, photo albums, Water based ink, Prevention of dust scattering

## PERFORMANCE COATING MATERIALS

SB Latex Styrene butadiene-based emulsion

## Features and applications

### Asahi Kasei Main SB Latex Grades (excluding Paper Coating Latex)

Grade	Class	Latex properties (typical values)						Features	Main applications <sup>3)</sup>							
		1) Butadiene content	Solids content (%)	pH	Viscosity (mPa·s)	Average particle dia. (nm)	2) MFT		Tg	Carpet	Nonwoven fabric, lock	Bonding adhesive	Pressure sensitive adhesive	Impregnation	Mortar additive	Glass fabric processing
L-1638	Low	48	8	100	200	V.high	46	Hard type	●		●					
L-7708	Low	50	9	300	150	V.high	38	Hard type, MFT50°C	●		●					
A-7855	Low	50	8	100	130	V.high	36	Hard type	●	●	●					
L-5702	Low	48	8	100	180	High	25	High cohesion type	●		●					
L-2301	Low	50	9	100	160	V.high	24	Hard type	●	●	●					●
L-7532	Low	48	8	200	190	High	17	Hard type, high adhesion to glass								●
L-4700	Low	50	7	300	160	Middle	11	High resistance to thermal yellowing	●	●	●					
A-3255	Low	48	10	50	250	High	11	NC, miscible with cement, excellent chemical stability						●		
L-3200	Low	48	6	50	200	High	8	NC, miscible with cement						●		
A-7090	Low	50	6	100	290	Middle	6	Large particle size		●						
DL-612	Middle	48	10	50	240	Middle	-1	Standard grade		●						●
L-7063	Middle	48	10	100	210	Middle	-1	Good waterproofing property		●						
L-5930	Middle	50	8	100	170	Low	-1	NC, good waterproofing property		●						
A-6500	Middle	50	5	50	220	Middle	-3	NC, good chemical stability						●		
L-7431	Low	50	8	7000	-	Low	-7	High viscosity, high TI		●						
HA-040	Low	52	9	200	150	Low	-7	High shear stress, high heat resistance		●						
A-7688	Low	46	8	15000	-	Low	-8	High viscosity, low TI		●						
A-2730	Low	50	8	100	100	Low	-21	Soft type	●	●						
L-7850	High	48	8	50	160	Low	-27	Soft type, high adhesion				●				
L-2001	High	49	8	200	160	Low	-35	Soft type	●			●				
A-7901	High	50	8	200	180	Low	-35	Soft type, high adhesion		●	●					
HA-010	High	50	8	200	180	Low	-36	Pressure sensitive adhesive grade, tack at room temperature				●				
A-7141	High	50	6	250	120	Low	-61	Super-soft type, very low Tg		●	●					

Note 1) Low: Approx. 40% or below, Middle: Approx. 40-55%, High: Approx. 55% or above  
 Note 2) MFT = Minimum Film Forming Temperature (Low: 0°C or below, Middle: 0 - 10°C, High: 10 - 30°C, Very high: 30°C or above)  
 Note 3) Circle mark "●" indicates main applications of the products.  
 Note 4) NC = Non-Carboxylated type  
 ※All of the values listed above are for reference only and are not guaranteed values.

## Paper Coating Latex



For paper coating, we offer a wide range of high-performance latex, including grades that provide top-class operational productivity and grades with top-class adhesive strength, enabling total cost reduction.

**Our latex products for paper coating are ideal for high-quality printing with vivid colors.**

**Please contact us for further information.**

■ Contact

SB Latex Marketing & Sales Dept.  
 Phone +81-(0)3-3296-3330 Fax +81-(0)3-3296-3462

<http://www.akcpc.jp/en/index.html>