SUMIKAFLEX 201HQ

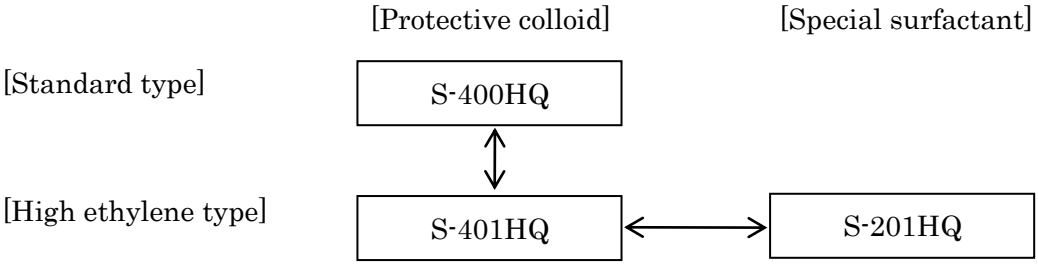
Type:	Ethylene-Vinyl acetate Copolymer Emulsion
Properties:	SUMIKAFLEX 201HQ (S-201HQ) is a high-ethylene vinyl acetate copolymer emulsion with a special surfactant. Due to its special surfactant, it has good wettability for adhesive materials and excellent adhesion for plastic-laminated paper. Furthermore, its film has greater elongation than other high ethylene-vinyl acetate copolymer films, and it also has excellent water and alkali liquid resistance, and miscibility with fillers.
Main application:	Plastic-laminated lumber Adhesives for all paper and fabric Elastics coating Mortar mixing

Physical properties:

Appearance		Milky white
Solid content	(%)	56 ± 1
Viscosity	(mPa·s)	2500 – 5500
pH		3.0 – 6.0
Ave. particle size	(μm)	0.6
Density	(g/cm^3)	1.04
MFT	(°C)	0
Particle charge		Nonionic
Machine stability		Good
Tg	(°C)	−20
Tensile strength	(MPa)	4.5
Tensile elongation	(%)	1000

< Technical Information of SUMIKAFLEX 201HQ >

1. Grade positioning



2. Emulsion properties

		S-201HQ
Appearance		Milky white
Solid content	(%)	56 ± 1
Viscosity	(mPa·s)	2500 – 5500
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Ave. particle size	(μm)	0.6
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MFT	(°C)	0
Particle charge		Nonionic
Particle charge		Good
Mechanical stability		−20

3. Film properties

(1) Tensile strength

Item		S-201HQ	S-401HQ
Original	Elongation (%)	1000	850
	Strength (MPa)	4.5	6.2
Wet	Elongation (%)	1000	890
	Strength (MPa)	3.2	0.5

Test method

Thickness of film : 0.15 mm
Shape of film : Dumbbell No.3
Film forming condition and aging : 23°C × 65%RH, measured after dried for 7 days
Measurement speed : 500 mm/min

(2) Water resistance

	S-201HQ
Absorption (%)	25
Elusion (%)	2

Test method

Thickness of film : 0.15 mm

Water resistance : Dipped film in water for 4 days at 23ºC