Type:	Ethylene-Vinyl acetate Copolymer Emulsion				
Properties:	Sumikaflex 201HQ is a high-ethylene vinyl acetate copolymer emulsion with special surfactant. Due to its special surfactant, it has good wet ability for adhesives materials and excellent adhesive for plastics lamination paper. Furthermore, its film has longer elongation than the other high ethylene-vinyl acetate copolymer films, and it has also excellent water and alkali liquid resistance, and miscibility with filler.				
Main application:	Plastic Lamination Lumber Adhesives for all paper and fabric Elastics coating Mortar mixing				
Main physica	al properties:				
Appearance			Milky white		
Solid co	ontent	(%)	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	MFT		0		
Particle charge			Nonionic		
Machine stability			Good		
Tg		(°C)	- 20		
Tensile	Tensile strength		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
pН		3.0 - 6.0
Ave. particle size (µm)		0.6
Density	(g/cm ³)	1.04
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

:0.15 mm

Test method

Thickness of film

Water resistance

: Dipped film in water for 4 days at 23 $^{\rm o}{\rm C}$