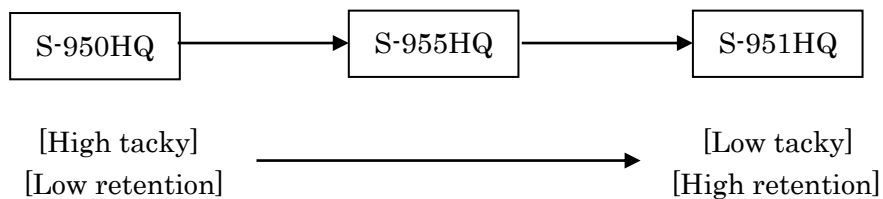


## SUMIKAFLEX 955HQ

Type:	Ethylene Vinyl acetate Vinyl ester of versatic acid Terpolymer Emulsion		
Properties	SUMIKAFLEX 955HQ (S-955HQ) is a designed grade that has good adhesion for various materials, especially rubber and polyolefin. Compared to SUMIKAFLEX 950HQ, it has improved adhesion retention and heat resistance.		
Main application	Packaged adhesive Paper and film adhesive Rubber adhesive		
Physical properties			
Appearance		Milky white	
Solid content	(%)	53 ± 1	
Viscosity	(mPa·s)	100 – 500	
pH		4-7	
Ave. particle size	(µm)	0.6	
Density	(g/cm³)	1.01	
MFT	(°C)	0	
Particle charge		Nonionic	
Mechanical stability		Good	
Tg	(°C)	-30	
Tensile strength	(MPa)	0.4	
Tensile elongation	(%)	>1500	

## <Technical Information of SUMIKAFLEX 955HQ>

### 1. Grade positioning



### 2. Emulsion properties

	S-955HQ
Appearance	Milky white
Solid content (%)	53 ± 1
Viscosity (mPa·s)	100 – 500
pH	4 – 7
Ave. particle size (μm)	0.6
Density (g/cm <sup>3</sup> )	1.01
MFT (°C)	0
Particle charge	Nonionic
Mechanical stability	Good
Tg (°C)	–30

### 3. Film properties

#### (1) Tensile strength

		S-955HQ	S-950HQ	S-951HQ
Original	Elongation (%)	>1500	>1500	1200
	Strength (MPa)	0.4	0.2	2.6
Wet	Elongation (%)	1300	>1500	—
	Strength (MPa)	0.4	0.1	

#### Test method

Thickness of film	: 0.15 mm
Shape of film	: Dumbbell No.3
Original state	: 23°C × 65%RH
Wet state	: After 24 hours in water, test pieces was measured on wet condition
Measurement speed	: 500 mm/min

## (2) Water resistance of film

		S-955HQ	S-950HQ	S-951HQ
Water resistance	Solve rate (%)	8	7	6
	Absorb rate (%)	136	60	117

Test method

Thickness of film : 0.15 mm

Water resistance : Film immersed in water for 4 days  
at room temperature

## 4.Application

### (1) Application of adhesive

		S-955HQ	S-950HQ
Coating amount (g/m <sup>2</sup> )		31.3	29.4
Adhesive Strength (N/25mm)	SUS	4.0	7.4
	PE	1.0	5.5
	PP	1.8	7.6
Tackiness (Bawl No.)		7	7
40°C adhesion retention		>24h (peeling off 1mm)	1h

Test method:

An emulsion was coated to thickness 25μm (dry) on the PET.  
After dried, measure adhesive properties.

Adhesive strength: Peeling angle: 180° Peeling speed: 300 mm/min.

Tackiness: J Dow method

Adhesion retention

: Lamination surface Width 10mm x Length 25mm

Crimping 2 kg roller 1 round trip

Measured time to drop at 40°C x 500g