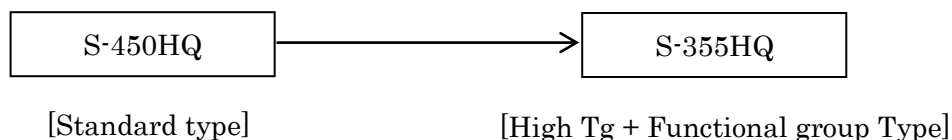


## SUMIKAFLEX 355HQ

Type:	Ethylene-Vinyl acetate Copolymer Emulsion																																						
Properties:	SUMIKAFLEX 355HQ (S-355HQ) is a grade with a harder polymer film strength than SUMIKAFLEX 450HQ, with a further modified functional group. Adhesive strength and water resistance can be improved by adding various curing agents.																																						
Main application:	Adhesives for all Construction and wood Paper containers and crafts																																						
Physical properties:	<table><tr><td>Appearance</td><td></td><td>Milky white</td></tr><tr><td>Solid content</td><td>(%)</td><td>55 ± 1</td></tr><tr><td>Viscosity</td><td>(mPa·s)</td><td>500 – 2000</td></tr><tr><td>pH</td><td></td><td>4 – 7</td></tr><tr><td>Ave. Particle size</td><td>(μm)</td><td>0.7</td></tr><tr><td>Density</td><td>(g/cm³)</td><td>1.08</td></tr><tr><td>MFT</td><td>(°C)</td><td>3</td></tr><tr><td>Particle charge</td><td></td><td>Nonionic</td></tr><tr><td>Machine stability</td><td></td><td>Good</td></tr><tr><td>Tg</td><td>(°C)</td><td>10</td></tr><tr><td>Tensile strength</td><td>(MPa)</td><td>20.6</td></tr><tr><td>Tensile elongation</td><td>(%)</td><td>420</td></tr></table>			Appearance		Milky white	Solid content	(%)	55 ± 1	Viscosity	(mPa·s)	500 – 2000	pH		4 – 7	Ave. Particle size	(μm)	0.7	Density	(g/cm³)	1.08	MFT	(°C)	3	Particle charge		Nonionic	Machine stability		Good	Tg	(°C)	10	Tensile strength	(MPa)	20.6	Tensile elongation	(%)	420
Appearance		Milky white																																					
Solid content	(%)	55 ± 1																																					
Viscosity	(mPa·s)	500 – 2000																																					
pH		4 – 7																																					
Ave. Particle size	(μm)	0.7																																					
Density	(g/cm³)	1.08																																					
MFT	(°C)	3																																					
Particle charge		Nonionic																																					
Machine stability		Good																																					
Tg	(°C)	10																																					
Tensile strength	(MPa)	20.6																																					
Tensile elongation	(%)	420																																					

## < Technical Information of SUMIKAFLEX 355HQ >

### 1. Grade positioning



### 2. Emulsion properties

	S-355HQ
Appearance	Milky white
Solid content (%)	55 ± 1
Viscosity (mPa·s)	500 – 2000
pH	4 – 7
Ave. particle size (μm)	0.7
Density (g/cm <sup>3</sup> )	1.08
MFT (°C)	3
Particle charge	Nonionic
Mechanical stability	Good
Tg (°C)	10

### 3. Film properties

#### (1) Film tensile strength

Item		S-355HQ	S-400HQ
Dry	Elongation (%)	480	420
	Strength (MPa)	21.0	18.0

#### Test method

Film thickness : 0.15 mm

(Film forming condition and aging: 23°C × 65%RH × 7 days)

Shape of film : Dumbbell No.3

Dry film strength : 23°C × 65%RH,  
measured after dried for 7 days

Wet film strength : Dipped film in water for 24 hours at 23°C,  
measured at wet condition

Measurement speed : 500 mm/min

## (2) Polymer thermal flow property

