SUMIKAFLEX 7000HQ

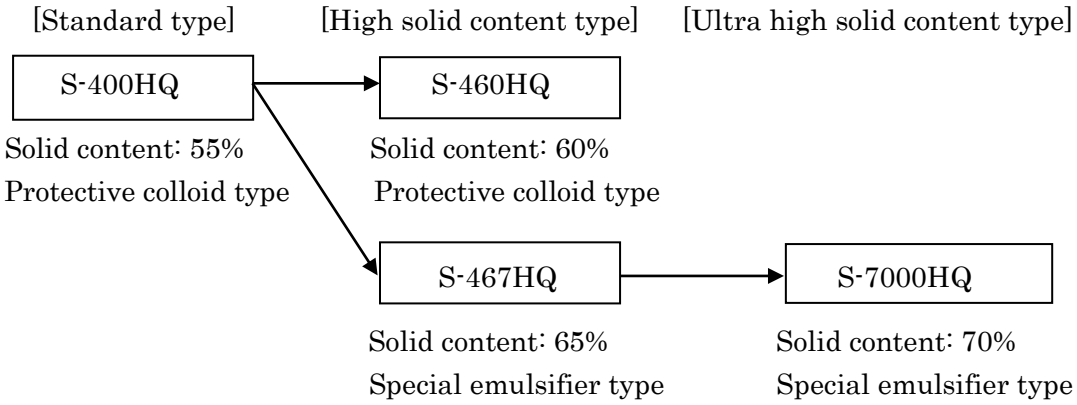
Type:	Ethylene-Vinyl acetate Copolymer Emulsion
Properties:	SUMIKAFLEX 7000HQ (S-7000HQ) is a high solid-content type emulsion that can contribute to shorter drying and bonding processes during application. Thanks to its high concentration and low viscosity, it allows for a wide range of formulation options, expanding flexibility in selecting additives.
Main application:	General adhesives for paper and textiles Inkjet-printed paper

Physical properties:

Appearance		Milky white
Solid content	(%)	69.5 – 72.0
Viscosity	(mPa·s)	700 – 2500
pH		4 – 7
Ave. Particle size	(μm)	0.8
Density	(g/cm^3)	1.09
MFT	(°C)	0
Particle charge		Nonionic
Machine stability		Good
Tg	(°C)	0
Tensile strength	(MPa)	5.4
Tensile elongation	(%)	810

< Technical Information of SUMIKAFLEX 7000HQ >

1. Grade positioning



2. Emulsion properties

		S-7000HQ
Appearance		Milky white
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Ave. particle size	(μm)	0.8
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Particle charge		Nonionic
Mechanical stability		Good
Tg	(°C)	0

3. Film properties

(1) Film tensile strength

Item		S-7000HQ	S-467HQ	S-400HQ
Dry	Elongation (%)	810	790	550
	Strength (MPa)	5.4	5.8	12.7
Wet	Elongation (%)	730	840	600
	Strength (MPa)	2.7	2.0	3.3

Test method

Thickness of film	: 0.15 mm
Film forming condition and aging	: 23°C × 65%RH × 7 days
Film shape	: Dumbbell No.3
Dry film strength	: 23°C × 65%RH
Wet film strength	: Dipped film in water for 24 hours at 23°C, measured in wet condition
Measurement speed	: 500 mm/min