

Test Item	Unit	Test Method	A grade		M grade	S grade								V grade				
			Thermoplastic Elastomer		Low-density Polyethylene	Ionomer								EVA				
			A100	A400	M200	S100	S111	S120	S650	S200	S300	S420	S500	V100	V200	V300		
Properties (Dispersion)	Appearance	—	Visual judgement		Translucent white	Translucent white	Semi-transparent				Translucent white				Translucent white			
	Conc. Of Solid	%	JIS K6839		40	40	40	27	27	27	27	27	35	42	42	40	40	40
	pH	—	pH meter		9	9	9	10	10	10	10	10	10	9.5	9.5	8	8	8
	Viscosity	mPa·s	BM-type viscometer (6rpm)		5,000	8,000	5,000	500	400	50* <sup>2</sup>	100	600	400	150	150	7,000	7,000	7,000
	Particle Size	Mm	Coalter Counter Method		4	4	6	<0.1*	<0.1*	<0.1*	<0.1*	0.5*	0.5*	0.7*	0.7*	12	7	6
Lowest Film Forming Temp.	°C	MCI Method		85	73	100	65	65	65	55	55	65	-	-	75	85	75	
Properties (Resin)	Density	Kg/m <sup>3</sup>	JIS K6760		890	885	920	950	950	950	950	950	950	-	-	950	940	940
	Tensile Strength	Mpa	JIS K6760		14	20	8	35	35	35	28	32	31	-	-	4.5	6.5	3
	Elongation at Break	%	JIS K6760		800	950	320	350	350	350	450	400	370	-	-	950	600	300
	Vicat Softening Point	°C	JIS K6760		60	55	75	60	60	60	55	55	65	-	-	<40	40	<40
Application			<ul style="list-style-type: none"> <li>•Rub-off resistance Improver</li> <li>•Emulsion modifier</li> </ul>		<ul style="list-style-type: none"> <li>•Anti-Rub-off Improver</li> <li>•Slipping agent</li> <li>•Anti-blocking agent</li> </ul>	<ul style="list-style-type: none"> <li>•Heat-Sealing material for aluminium, paper and/or film</li> <li>•Coating material for metal</li> <li>•Waterbourn paint binder</li> <li>•Binder for non-woven fabric</li> <li>•Binder for thermal transfer printing</li> <li>•Emulsion modifier</li> </ul>						<ul style="list-style-type: none"> <li>•S111 contains a slipping agent</li> <li>•S120 has lower viscosity</li> <li>•S300 is often used for aluminum foil</li> </ul>			<ul style="list-style-type: none"> <li>•Emulsion Modifier</li> <li>•Heat-Sealing material for aluminium and/or paper</li> <li>•Anti-blocking agent</li> <li>•Rub-off resistance Improver for wood coating</li> </ul>			

·The figures in the table above are typical values.

\*Measured by MicroTrack

\*<sup>2</sup> 60rpm