

Sealant PE Film Our wide-ranging Sealant PE films can be selected based on basic properties such as mechanical strength and thermal resistance or even sensory qualities such as texture. These films are renowned as sealants for food packaging and benefit from the proven safety and reliability of Tamapoly product systems.

LL Our diverse LLDPE lineup ranges from medium to ultralow density and fully exhibits the advantages of LLDPE, including its superior strength. We can vary the amount of additives to meet the exact needs of each customer.

Product	Thickness [μm]	Additive agent			Easy to tear	Features and applications	Tensile strength[MPa]		Elongation[%]		Modulus[MPa]		Tear resistance[N/cm]		Impact strength [J/cm]	Haze [%]	Gloss [%]	Coefficient of static Inaction Inclined plate method tan θ	Thickness[μm]	Product
		Slipping agent	Anti-blocking agent	Stabilizer			JIS Z 1707		JIS Z 1707		Conforms to ASTM D882		JIS K 7128							
							MD	TD	MD	TD	MD	TD	MD	TD						
Heat-resistant for semi-retort food																				
UH-1	40~150			●		Suitable for 115°C semi-retort food. Excels at high rigidity and chemical resistance.	35	30	700	700	710	950	100	370	90	21	77	0.40	50	UH-1
UB-3	35~150			●		Suitable for 110°C semi-retort food. Excels at high rigidity and chemical resistance.	35	31	690	620	550	780	180	1200	140	20	82	0.50	50	UB-3
NB-1	35~150			●		Suitable for 110°C semi-retort food. Excels at high rigidity and chemical resistance(C4 type).	35	30	620	820	570	740	40	1700	90	25	59	0.40	50	NB-1
Heat-resistant for boiled food																				
SE625L	30~150	○	●	●		Heat-resistant, rigid, and impact-resistant, this film is suitable for packaging heavy objects.	42	42	600	720	380	500	480	2600	230	16	85	0.24	50	SE625L
SE625N	40~150		●	●			42	42	600	720	380	500	480	2600	230	12	85	0.38	50	SE625N
Standard sealant																				
UB-1	30~60	●	●	●		This standard all-purpose C6LLDPE film is available in three slipping-agent variations for different applications. The UB-OB type, with no slipping agent, is suitable for beverage packaging.	39	34	700	800	270	390	910	1700	240	19	80	0.19	50	UB-1
UB-1T	30~150	○	●	●			39	34	700	800	270	390	910	1700	240	19	80	0.40	50	UB-1T
UB-OB	30~150		●	●			39	34	700	800	270	390	910	1700	240	19	80	0.65	50	UB-OB
MZ-180	50~100		●	●		Featuring good anti-pinhole strength and flexibility, this film is suitable for BIB and has no additive agents on the contact surface.	32	29	700	800	140	190	1200	1400	450	23	68	0.65	55	MZ-180
LC-2	30~60	●	●	●	○	This film uses easy-to-cut C4LLDPE material that is superior to LDPE types in terms of strength and sealing properties.	37	32	650	900	270	380	130	1200	170	9	110	0.25	50	LC-2
LC-2T	30~150	○	●	●			37	32	650	900	270	380	130	1200	170	9	110	0.31	50	LC-2T
SE621L	30~150	○	●	●	○	Stronger than LDPE and has excellent sealing and cutting properties. Paper-like opaqueness with an appropriate degree of sliding.	38	38	650	750	320	460	360	*	190	37	33	0.21	60	SE621L
Low-temperature sealant																				
SE620M	30~60	●	●	●		As this film contains only a small fraction of low molecular weight material, it excels at low-temperature sealing but does not cause blocking. It contains metallocene polymer that offers both laminating and slipping stability. There are four slipping agent variations, enabling the optimum grade to be selected depending on the application and thickness.	45	45	610	700	230	320	550	1800	380	17	75	0.15	50	SE620M
SE620L	30~150	○	●	●			45	45	610	700	230	320	550	1800	380	17	75	0.27	50	SE620L
SE620A	30~150	△	●	●			45	45	610	700	230	320	550	1800	380	17	75	0.35	50	SE620A
SE620N	30~150		●	●			45	45	610	700	230	320	550	1800	380	17	75	0.70	50	SE620N
MZ-710U	35~60	●	●	●	○	This film is characterized by MDPE-like rigidity, but is easy to tear.	26	38	120	630	340	340	100(*Notes)	110(*Notes)	650	12	86	0.23	40	MZ-710U
MZ-521	50~60	●	●	●		A grade with both low-temperature sealing and rigidity.	40	41	690	790	340	420	650	2200	230	15	88	0.18	60	MZ-521
UB-106	30~60	●	●	●		This film excels at low-temperature sealing, flexibility, impact resistance, and pinhole resistance. It is best suited for use as standing pouches for beverages and automatic packaging machines.	41	37	700	780	210	290	1000	2000	400	14	86	0.25	50	UB-106
UB-106T	30~150	○	●	●		Low-temperature sealing properties have been added to this film while retaining the advantages of C4LLDPE.	41	37	700	780	210	290	1000	2000	400	14	86	0.40	50	UB-106T
DS-2	30~160	○	●	●	○		38	31	550	890	190	260	170	1400	270	14	90	0.25	50	DS-2
Ultralow-temperature sealant																				
LK410M	30~60	●	●	●	○	This film features sealing properties equivalent to those of UL-1, is easy to cut, and is best suited for stick packaging.	30	27	700	790	150	210	220	550	190	10	82	0.18	50	LK410M
LK410L	30~150	○	●	●	○		30	27	700	790	150	210	220	550	190	10	82	0.40	50	LK410L
MZ-250	30~50	●	●	●	○	This film combines high-speed tilling capability with easy horizontal cutting and is best suited for stick packaging.	25	22	240	710	220	360	*	410	180	7	99	0.13	40	MZ-250
UL-1	30~60	●	●	●		This standard VLDPE film is flexible, impact-resistant and offers ultralow-temperature sealing properties.	42	37	600	750	150	220	800	1530	Non-breakable	18	73	0.20	50	UL-1
SE605M	30~60	●	●	●		This VLDPE uses metallocene polymer and is suitable for packaging soups.	52	47	650	750	110	160	750	1300	Non-breakable	11	89	0.17	50	SE605M

LD As a basic form of polyethylene, LDPE features a simple structure that enables wide-ranging usage.

V-1	30~200	●	●	●		This standard LDPE balances strength, heat resistance and slipping properties. V-1 is treated with corona and V-2 is not.	24	19	360	590	290	340	*	560	160	10	92	0.31	50	V-1
V-2	30~200	●	●	●			24	19	360	590	290	340	*	560	160	10	92	0.31	50	V-2

EVA

SB-5	30~150	●	●	●		This 5% EVA film with good transparency and slip withstands boiling up to 85°C.	22	15	230	480	170	220	*	500	220	9	94	0.25	50	SB-5
SB-7	35~100	●	●	●		This 7% EVA film with low-temperature sealing and flexibility is suitable for soups.	25	16	230	500	120	170	*	400	240	13	75	0.26	50	SB-7
AV-51	40~150		●	●		This 5% EVA film with minimal odor is suitable for coffee, tea, etc.	25	20	360	660	170	210	*	570	200	13	72	0.51	40	AV-51

Functional PE Film This product lineup makes use of a manufacturing method adapted to limited production of a wide variety of products specialized for pinpointed needs. Although specialized, these products also combine high functionality with stable performance as they are designed with consideration to general usability.

Static charge

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Product	Thickness [μm]	Additive agent			Easy to tear	Features and applications	Tensile strength[MPa]		Elongation[%]		Modulus[MPa]		Tear resistance[N/cm]		Impact strength [J/cm]	Haze [%]	Gloss [%]	Coefficient of static Inaction Inclined plate method tan θ	Thickness[μm]	Product
		Slipping agent	Anti-blocking agent	Stabilizer			JIS Z 1707		JIS Z 1707		Conforms to ASTM D882		JIS K 7128							
							MD	TD	MD	TD	MD	TD	MD	TD						
LA-7	30~70		●	●	○	Standard-sealant type antistatic film	42	33	600	800	320	440	150	1400	170	20	80	0.32	50	LA-7
LA-9	30~60		●	●	○	Ultralow-temperature-sealant type antistatic film	29	26	760	850	140	170	220	610	180	9	86	0.39	50	LA-9

LD

VE-7	30~50		●	●		General type antistatic film	27	19	230	660	290	380	*	520	170	12	91	0.36	40	VE-7
VE-7F	30~80		●	●		VE-7F contains half the usual antistatic additive.	27	19	230	660	290	380	*	520	170	12	91	0.45	40	VE-7F

No Additive agents This molded film contains no additive agents and generates very little decomposition byproduct.

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SF625P	30~100					This standard sealant type film contains no additive agents.	44	41	730	820	370	520	190	*	180	12	85	0.61	50	SF625P
SK615P	30~130					This low-temperature sealant type film contains no additive agents.	27	27	560	780	180	250	280	*	160	26	63	0.90	50	SK615P

LD

A-1	35~150					This film transfers minimal taste to package contents, making it ideal for beverages such as alcohol, juice, and mineral water.	19	18	330	620	270	350	*	310	90	26	56	0.55	50	A-1
A-3	30~50						22	19	320	640	250	330	*	380	100	20	66	0.60	50	A-3
AJ-1	40~150						31	22	340	650	230	290	*	400	200	11	83	1.22	50	AJ-1

Ionomer, EMAA

HM-52	30~150			●		This film excels at sealing strength and hot tack strength and offers excellent adhesion to metal.	34	24	140	510	220	310	*	220	310	18	60	1.60	50	HM-52
NC-5	30~100	●	●	●		This film features low-temperature sealing, anti-blocking properties, and good heat adhesion.	37	22	230	480	180	250	*	400	330	15	70	1.40	40	NC-5

HD

HD	40~200			●		This film features paper-like opacity, ample slip, and moistureproof qualities.	40	33	580	350	1110	1540	50	300	40	70	17	0.28	50	HD
HS31	30~100			●		This film features moderate rigidity and sealing strength and was developed for wrapping the straw attached to paper-pack drinks.	42	25	580	5	990	1460	19	*	20	27	60	0.28	30	HS31

Coloring

SE620L white	30~150	○	●	●		This white coloring film is based on SE620L.	41	47	660	760	250	350	910	Non-breakable	330	Coloring	Coloring	0.45	80	SE620L white
LD-BLACK	40~70	●	●	●		This black coloring film is based on LD.	31	16	220	640	370	560	30	760	130	Coloring	Coloring	0.15	40	LD-BLACK
HD white	50~100		●	●		This white coloring film is based on HD.	43	30	650	600	1000	1390	50	620	50	Coloring	Coloring	0.31	60	HD white
V-4 white	50~160		●	●		This white coloring film is based on V-4.	21	17	270	600	240	330	*	350	140	Coloring	Coloring	0.53	60	V-4 white

High-precision PE Film Tamapoly's flagship lineup continues to challenge the field of high precision once considered impossible for polyethylene. This film, made possible by the latest production facilities and ever-improving production technologies, is utilized in cutting-edge electronics.

Masking Base

Product	Thickness [μm]	Features and applications	Tensile strength[MPa]		Elongation[%]		Modulus[MPa]		Tear resistance[N/cm]		Impact strength [J/cm]	Haze [%]	Gloss [%]	Coefficient of static Inaction Inclined plate method tan θ	Thickness[μm]	Product
			JIS Z 1707		JIS Z 1707		Conforms to ASTM D882		JIS K 7128							
			MD	TD	MD	TD	MD	TD	MD	TD						
M-6	50~100	This film is used to protect surfaces as a base material with an adhesive coating.	22	19	250	690	300	410	*	340	120	28	46	0.51	50	M-6
M-6 blue	50~100	This blue coloring film is based on M-6.	24	21	300	610	310	450	*	270	130	29	45	0.45	50	M-6 blue

Self-adhesive Masking

PT691	50~100	Since adhesive is not applied, resistance against surface contamination is outstanding. Re-tacking ability is also excellent, and there are few defects such as contaminants or fish-eye appearance.	22	21	400	700	300	390	*	500	130	12	82	0.58	60	PT691
PT810	40~60	LLDPE is used as the adhesive, providing enhanced resistance against surface contamination compared to earlier EVA protective films. The increase in adhesiveness is limited under high humidity, making excess adhesion unlikely.	27	29	450	710	240	300	*	950	170	6	135	1.23	50	PT810