

UNILAX LS grade L-LDPE film for laminating

Idemitsu's special L-LDPE ensures both good sealability and tough film strength.

This product is applicable for a wide range of applications from low-temperature heating to semi-retort thanks to distinctive multilayer technology.

Furthermore, all grades are designed to be applicable to non-powder laminating and bag making.

Grade name		UNILAX LS-760C	UNILAX LS-700C	UNILAX LS-711C	UNILAX LS-722C	UNILAX LS-733CA	UNILAX LS-744C	Test method
Application		Semi retort	High-temperature heating	General purpose Automatic packaging	Fluid automatic filling packaging	Fluid automatic filling packaging (High stiffness type)	Fluid high speed automatic filling packaging	-
Characteristics		Retort applicable (118°C x 30 min.) retort Non-powder applicable	Heating applicable (105°C x 30 min.) heating Non-powder applicable	Heating applicable (95°C x 30 min.) heating Non-powder applicable	Heating applicable (90°C x 30 min.) heating Non-powder applicable	Heating applicable (90°C x 30 min.) heating Non-powder applicable	Heating applicable (85°C x 30 min.) heating Non-powder applicable	-
Thickness(μm)		50	50	50	50	50	50	-
Tensile modulus (MPa)	MD	590	420	200	200	360	190	JIS Z 1702
	TD	670	470	200	220	400	210	
Tensile strength (Mpa)	MD	52	46	46	47	47	49	
	TD	39	41	45	45	41	41	
Tensile elongation(%)	MD	670	610	680	590	620	590	
	TD	820	790	790	790	790	720	
Tear strength (N/cm)	MD	120	490	980	1020	750	900	JIS K 7128
	TD	1,040	1,310	1,520	1,650	1,700	1,970	
Impact strength(J/m)		11,000	18,000	40,000	38,000	20,000	45,000	Idemitsu method※1
Haze (%)		7.6	7.2	7.0	8.0	8.0	5.3	JIS K 7105
Seal temperature(°C)※2		125	117	103	96	96	92	Idemitsu method※2
Static friction coefficient (tanθ)	corona /corona	0.47	0.25	0.20	0.15	0.13	0.12	Idemitsu method (gradient method)
	seal/seal	0.52	0.27	0.18	0.20	0.20	0.10	
Standard thickness (μm)		30/40/50 /60/70/80	30/40/50 /60/70/80	25/30/40/50 /60/70/80	30/40/50 /60/70/80	30/40/50/60	30/40/50	-
巻き内面 層内イメージ図 巻き外面		Laminating surface (corona-processed surface) High heat resistant LL High heat resistant LL High heat resistant LL Sealing surface	Laminating surface (corona-processed surface) Heat resistant LL Heat resistant LL Heat resistant LL Sealing surface	Laminating surface (corona-processed surface) Heat resistant LL LL LL Sealing surface	Laminating surface (corona-processed surface) Heat resistant LL LL LL Sealing surface	Laminating surface (corona-processed surface) Heat resistant LL Heat resistant LL LL Sealing surface	Laminating surface (corona-processed surface) Heat resistant LL LL Special LL Sealing surface	-
Winding length (m)		25μm, 30μm, 40μm products:4,000m roll. 50-80μm products:2,000m roll						

※1 2.94N・m、1.0inch head

※2 Seal temperature: heat gradient seal tester 0.2 MPa (2kg/cm²), 1.0 sec.

※ Data described in this document is a representative example of measured values under specific conditions.

※ Contents of this document are subject to change without prior notice due to product improvement.

※ It is produced in an ISO9001 certified factory.

Idemitsu Unitech Co.,Ltd.