

Lamination Film

The multilayer films which produced by lamination process are combined between at least 2 substrates to promote the film functions e.g., mechanical properties, barrier properties and seal ability. Lamination film are comprised of LDPE, LLDPE and HDPE which suitable for food, personal care and home care packaging.



Personal Care Packaging



Home Care Packaging



Frozen & Chilled Foods Packaging



Dry Foods Packaging



Instant Foods Packaging



Foods & Beverages Pouch



Seasoning & Sauce Sachet



Recommendation

	LDPE	InnoPlus: LD2420H, LD2426H, LD2420K, LD2426K
	LLDPE	InnoPlus: LL7410A, LL7410D, LL7410D1, LL7410G1, LL7410D2, LL7610A, LL7610D1
	mLLDPE	InnoPlus: LL7810A, LL7810D, LL7820D, LL7910A, LL7910D, LL7903A, LL7905AM, LL7905AO, LL7810D2V, LL7810AV, LL7810AW
	HDPE	InnoPlus: HD3355F, HD4000F

General Film Packaging (Non-Lamination)

General purpose film are comprised of LDPE, LLDPE, HDPE and Bioplastics and suitable for general packing products such as Zipper bags, Bubble film, Garbage bags, Shopping bags, Frozen & Chilled bags and Dry food packaging.



Frozen & Chilled Foods Packaging



Dry Foods Packaging



Zipper Bags



Bubble Film



Garbage Bags



Glove PE



Shopping Bags



Liner Bags



Recommendation

	LDPE	InnoPlus: LD2420H, LD2426H, LD2420K, LD2426K
	LLDPE	InnoPlus: LL7410A, LL7410D, LL7410D1, LL7410G1, LL7410D2, LL7420A, LL7420D, LL7420D1, LL7610A, LL7610D1
	mLLDPE	InnoPlus: LL7810A, LL7810D, LL7910A, LL7910D, LL7903A, LL7905AM, LL7905AO, LL7810D2V, LL7810AV, LL7810AW
	HDPE	InnoPlus: HD6000F, HD7000F, HD3355F, HD4000F
	PCR-LDPE	InnoEco: D021NF-50
	Bioplastics Compound	PlastMate: PB05001F

Shrink Film

Shrink film is used for wrap single products or several products together by heating the film. Majority of Polyethylene shrink film made from LDPE combine with LLDPE and HDPE. Potential products for shrink film include packaging of foods, beverages and home & personal cares.



Food & Beverage Bundle Packaging



Home & Personal Care Bundle Packaging



Recommendation

	LDPE	InnoPlus: LD2420D, LD2420F
	LLDPE	InnoPlus: LL7410A, LL7410D, LL7410D1, LL7610A, LL7610D1
	mLLDPE	InnoPlus: LL7903A, LL7905A0
	HDPE	InnoPlus: HD7000F, HD3355F
	PCR-LDPE	InnoEco: D021NF-50

Stretch Film

Stretch film is a thin and stretchable plastic film, typically made from Polyethylene LLDPE, that protect products, cartons, and packages stay clean and in place while being transported and stored.



Stretch Hand-Wrap Films



Stretch Machine-Wrap Films



Recommendation

	LLDPE	InnoPlus: LL7420A, LL7625A
	mLLDPE	InnoPlus: LL7835A, LL7910A, LL7838AV

HDPE

High Density Polyethylene

InnoPlus: HDPE						
Properties	Test Method	Unit	Grade			
			HD6000F	HD7000F	HD3355F	HD4000F
MFR (190 °C, 2.16 kg)	ASTM D1238	g/10 min	0.16	0.05	1.1	0.7
Density	ASTM D1505	g/cm ³	0.956	0.956	0.951	0.966
Melting Temperature	ASTM D3418	°C	135	135	131	
Tensile Strength at Yield	ASTM D638	kg/cm ²	260	300	240	-
Tensile Strength at Break	ASTM D638	kg/cm ²	370	390	370	-
	ASTM D882	MPa (MD/TD)	-	-	-	48/22
Elongation at Break	ASTM D638	%	950	820	>1,000	-
	ASTM D882	% (MD/TD)	-	-	-	630/3
Flexural Modulus	ASTM D790	kg/cm ²	11,000	12,000	11,000	-
Tensile Modulus, 1% Secant	ASTM D882	MPa	-	-	-	>1,000
Notched Izod Impact Strength	ASTM D256	kg.cm/cm	27 (NB*)	30 (NB*)	14	-
Durometer Hardness	ASTM D2240	shore D	65	64	62	-
Vicat Softening Point	ASTM D1525	°C	125	125	122	125
ESCR; 25% Igepal, F ₅₀	ASTM D1693	Hours	>500	>2,000	25	-
Dart Impact Strength	ASTM D1709	g	-	-	-	<63
Tear Strength (MD/TD)	PEG 701	g	-	-	-	10/620
Haze	ASTM D1003	%	-	-	-	64
Gloss (45°)	ASTM D2457	-	-	-	-	8
End Product			General purpose bags, Shopping bags, Linear Films, Bags on roll, Garbage bags, Industrial films		Laminated films, Laminated Tubes, General purpose films	-

Note: *NB = Non Break

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. All above values are typical values, not to be construed as specification.