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.

























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





















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

HDPE

High Density Polyethylene

InnoPlus: HDPE								
Dromontico	Test Method	Unit	Grade					
Properties			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/cm³	0.956	0.956	0.951	0.966		
Melting Temperature	ASTM D3418	°C	135	135	131			
Tensile Strength at Yield	ASTM D638	kg/cm²	260	300	240	-		
	ASTM D638	kg/cm²	370	390	370	-		
Tensile Strength at Break	ASTM D882	MPa (MD/TD)	-	-	-	48/22		
El continue de Decidio	ASTM D638	%	950	820	>1,000	-		
Elongation at Break	ASTM D882	% (MD/TD)	-	-	-	630/3		
Flexural Modulus	ASTM D790	kg/cm²	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 Pro	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.

Automotive Parts











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Coating 2 V

InnoPlus: HDPE Film Blow Molding/Thermoform Thermoform **Properties Test Method** Unit HD6000F HD7000H HD7800B MFR (190 °C, 2.16 kg) **ASTM D1238** 0.16 0.04 g/10 min 0.1 MFR (190 °C, 21.6 kg) ASTM D1238 g/10 min -10 6 ASTM D1505 0.956 0.952 0.95 Density g/cm³ **ASTM D3418** °C 135 134 Melting Temperature 130 Tensile Strength at Yield ASTM D638 kg/cm² 260 280 300 Tensile Strength at Break ASTM D638 kg/cm² 370 400 370 ASTM D638 % 950 900 850 Elongation at Break Flexural Modulus ASTM D790 11,000 11,000 12,000 kg/cm² Notched Izod Impact Strength ASTM D256 kg.cm/cm 27 (NB*) 42 (NB*) 72 (NB*) **Durometer Hardness ASTM D2240** shore D 65 63 61 Vicat Softening Point **ASTM D1525** °C 125 126 125 ESCR; 25% Igepal, F₅₀ > 500 > 1,000 **ASTM D1693** Hours > 1,000 Fender **End Product** Automotive Bed Liner (wheel arch liner) Good processability and drawdown ability Outstanding mechanical strength, good weathering resistance and excellent product appearance **Product Highlight** High mechanical strength · Good stiffness · Good heat sealability

Note: *C = Complete Break *P = Partial Break *NB = Non Break

InnoPlus: HDPE									
Proposition	Test Method	Unit	Blow Molding						
Properties			HD6600B	HD6200B					
MFR (190 °C, 2.16 kg)	ASTM D1238	g/10 min	0.4	0.45					
Density	ASTM D1505	g/cm³	0.957	0.962					
Melting Temperature	ASTM D3418	°C	135	135					
Tensile Strength at Yield	ASTM D638	kg/cm²	320	330					
Tensile Strength at Break	ASTM D638	kg/cm²	400	350					
Elongation at Break	ASTM D638	%	1,000	1,000					
Flexural Modulus	ASTM D790	kg/cm²	14,000	15,000					
Notched Izod Impact Strength	ASTM D256	kg.cm/cm	10 (P*)	12 (P*)					
Durometer Hardness	ASTM D2240	shore D	65	65					
Vicat Softening Point	ASTM D1525	°C	125	125					
ESCR; 25% Igepal, F ₅₀	ASTM D1693	Hours	400	60					
End Prod	uct		Reservoir Tank Sin Duct						
Product Hig	hlight		High environmental stress cracking resistance (ESCR) High impact strength Wide variety blow molding applications of small to medium size container	High density polyethylene blow molding grade wit optimum balance of processability, environmenta stress cracking resistance (ESCR) and impact strength. They are used for wide variety blow molding applications of small to medium size container.					

Note: *C = Complete Break *P = Partial Break *NB = Non Break

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