

應用材料實例 Material Application

多層複合結構	特性要求 Properties	包裝物品用途 Packaging Application
1. OPP/LLDPE	防潮、耐寒、低溫熱封拉力強	速食麵、冷凍點心、零食、粉狀包裝、巧克力。 Instant noodle, frozen dim sum, snacks, powdered products and chocolate.
	Good moisture barrier and low temperature resistance. High seal strength at low sealing temperature.	
2. OPP/PP	防潮、耐油、透明度高、挺性好	速食麵、餅乾、糖果、各類輕便食品。 Instant noodles, biscuits, confectionery and other snacks.
	Very Good moisture barrier, oil resistance, high transparency and stiffness.	
3. OPP/VMCPP	防潮、耐油、隔氧、遮光	各類乾燥食品、油炸食品、薯片蝦片、膨化食品。 Dry food products, deep fried products, e.g. potato chips, shrimp chips, nuts and popcorns.
	Excellent moisture barrier, oil resistance, high oxygen and light barrier	
4. OPP/EVA PE	防潮、低溫熱封、耐寒	粉狀物品、含水量物品、液體物、洗衣粉。 Powdered products, e.g. washing powders, aqueous and liquid products.
	Good moisture barrier, low sealing temperature, and good low temperature resistance.	
5. OPP/PL PEARL	防潮、耐低溫、遮光、挺性好	乾燥食品、餅乾、冰條、巧克力。 Dry products, biscuits, popsicles, chocolates.
	Very good moisture barrier, good low temperature resistance, good light barrier and stiffness.	
6. OPP/VMPET/LLDPE	防潮、隔氧、遮光	各類食品、米製小吃、零食、油炸各類食品、茶葉。 Versatile for different food products, rice derived products, snacks, deep fried products, tea.
	Excellent moisture barrier, high oxygen and light barrier, good low temperature resistance.	
7. OPP/VMPET/PP	防潮、隔氧、遮光	各類食品、米製小吃、零食、油炸各類食品、茶葉、湯料粉。 Versatile for different food products, rice derived products, snacks, deep fried products, tea, soup mixes.
	Excellent moisture barrier, high oxygen and light barrier.	
8. OPP/PET/PP	防潮、隔氧	各類食品、米製小吃、零食、油炸各類食品、茶葉、湯料粉。 Versatile for different food products, rice derived products, snacks, deep fried products, tea, soup mixes.
	High moisture barrier, moderate oxygen barrier.	
9. OPP/AL/LLDPE	防潮、隔氧、遮光	各類食品、米製小吃、零食、油炸各類食品、茶葉、湯料粉。 Versatile for different food products, rice derived products, snacks, deep fried products, tea, soup mixes.
	Superior moisture barrier, excellent oxygen and high barrier.	
10. MATOPP/LLDPE	防潮、耐寒、低溫	各類食品、米製小吃、零食、油炸各類食品、茶葉、湯料粉。 Versatile for different food products, rice derived products, snacks, deep fried products, tea, soup mixes.
	Good moisture barrier, low temperature resistance.	
11. MATOPP/PP	防潮、耐寒、低溫	各類食品、米製小吃、零食、油炸各類食品、茶葉、湯料粉。 Versatile for different food products, rice derived products, snacks, deep fried products, tea, soup mixes.
	Very good moisture barrier, good low temperature resistance.	
12. MATOPP/VMCPP	防潮、遮光、隔氧、耐油	各類食品、米製小吃、零食、油炸各類食品、茶葉、湯料粉。 Versatile for different food products, rice derived products, snacks, deep fried products, tea, soup mixes.
	Excellent moisture barrier. High oxygen and light barrier. Good oil barrier.	
13. MATOPP/VMPET/LLDPE	防潮、遮光、隔氧、耐油	各類食品、米製小吃、零食、油炸各類食品、茶葉、湯料粉。 Versatile for different food products, rice derived products, snacks, deep fried products, tea, soup mixes.
	Excellent moisture barrier. High oxygen and light barrier. Good oil barrier.	

應用材料實例 Material Application

多層複合結構	特性要求 Properties	包裝物品用途 Packaging Application
14. KOP/PP	防潮、遮光、保香、耐油	月餅、糕點、西餅、果仁、加工食品、茶葉。
	High moisture barrier. Very good oxygen and aroma barrier. Good oil resistance.	Mooncake, cakes, nuts, process meat and tea.
15. KPET/PP	防潮、遮光、保香、耐油	月餅、糕點、西餅、果仁、加工食品、茶葉、麵條。
	High moisture barrier. Very good oxygen and aroma barrier. Good oil resistance.	Mooncake, cakes, nuts, process meat, tea and pastas.
16. KNY/LLDPE	防潮、遮光、保香、低溫、抽真空	冷凍加工肉類、含高水份產品、醬料、湯味料。
	Good moisture barrier. High oxygen and aroma barrier Low temperature and good vacuum retention.	Frozen processed meat, product with high moisture content, sauces, condiments and liquid soup mix.
17. PET/PP	防潮、遮光、保香、耐高溫	烏冬麵、蒸煮、含酒類食品、香味食品。
	Good moisture barrier, medium oxygen and aroma barrier. High temperature end-use.	Udon, retort pouches, alcohol based products, spices.
18. PET/PAPER/LLDPE	防潮、防油、保香	茶葉、糖果、西餅、果仁、寵物食品、麵粉。
	Good moisture barrier and oil resistance. Good aroma Barrier.	Tea, confectioneries, cakes, nuts, pet food, flour.
19. PET/PET/EVA PE	防潮、耐高溫、易封性	粉類包裝、醬油、液體、洗髮液、啫喱（蒟蒻）。
	Good moisture barrier. High temperature resistance. Good sealability.	Powdered products, sauces, liquid products, e.g. shampoo, jelly.
20. PET/AL/NY/PP	防潮、隔氧、耐高溫、保香、耐化學性	高濃湯、咖啡、咖哩、香料、洗衣液、米飯。
	Excellent moisture, aroma and oxygen barrier. High temperature.	Concentrated soup products, coffee, curry, spices, washing liquids and rice
21. PET/AL/PET/PP	防潮、隔氧、耐高溫、保香、耐化學性	高濃湯、咖啡、咖哩、香料、洗衣液、米飯、檸檬汁、碳酸品。
	Excellent moisture, aroma and oxygen barrier, high end-use. High chemical resistance.	Concentrated soup products, coffee, curry, spices, washing liquids, rice, lemon juice, high acid products.
22. PET/NY/PP	耐高溫、耐化學性、耐油性	蒸煮、即食米飯、烏冬麵、湯料汁液。
	High temperature end-use, high chemical and oil resistance.	Retort and boil-in-a-bag rice, udon, soup mix.
23. NY/EVA PE	耐底溫、耐高溫、易封、抽真空	醬油、醬料、粉狀包裝、蒟蒻含水物品、液類。
	Good low temperature resistance, high temperature end-use, good sealability and good vacuum retention.	Sauces, spices, powdered products, jelly or other liquid products, e.g., liquid soap.
24. NY/VMPET/LLDPE	防潮、耐溫、遮光、保香	液類食品、冷凍食品、寵物食品、咖哩、含濃香味食品。
	Excellent moisture barrier, good low temperature resistance. Excellent light and aroma barrier.	Liquid products, frozen good, pet foods, curry, scented products.
25. NY/AL/PET/LLDPE	防潮、耐溫、遮光、保香	液類食品、冷凍食品、寵物食品、咖哩、碳酸飲品。
	Excellent moisture barrier, good low temperature resistance. Excellent light and aroma barrier.	Liquid products, frozen good, pet foods, curry and high acid products
26. CNY/LLDPE	冷凍、強韌、耐衝擊	冷凍食品及肉類、重型包裝、米、豆類。
	Good low temperature resistance. Tough and high impact resistance.	Frozen good and meat products. Heavy duty, e.g. rice, beans.
27. PE/PAPER	防潮、防油	漢堡包、火腿及肉類、市場包裝品。
	Good moisture barrier and oil resistance.	Hamburger, ham and processed meat, versatile for food product packaging in the market.
28. OPP HEAT SEALABLE	防潮、易封性好	餅乾、紫菜、輕量物品。
	High moisture resistance and good sealability.	Biscuits, dried seaweed and light products.

應用材料實例 Material Application

多層複合結構	特性要求 Properties	包裝物品用途 Packaging Application
29. PEARL	裝璜、耐寒、遮光、易封	餅乾、冰條雪糕、輕量物品、濕紙巾。
	Decorative, high temperature resistance and good light barrier and sealability.	Biscuits, popsicles, ice cream bars, light products, e.g. moist tissue
30. PT	防朝、易封、可扭摺	糖果、香煙、乾燥物品、餅乾、紙盒外層包裝。
	High moisture resistance, good sealability, dead fold properties.	Candy twist wrap cigarette dry product, biscuit, outer wrap for boxes.
31. PVC SHRINK	收縮性高、美觀、方便性	各種樽瓶、水樽、油樽、化妝品、浴用品。
	High shrinkage rate, glossy appearance, tamper resistance.	Cap wraps, bottle wraps, cosmetics and bath room products.
32. PVC TWIST	防朝、可扭摺	糖果、裝飾品類。
	Good moisture resistance, excellent dead fold properties.	Confectioneries, ornaments.
33. VMOPP	美觀、裝璜、遮光	禮品包裝、裝飾用品。
	Glossy appearance, highly decorative, high light barrier.	Gift wraps, ornaments.
34. PVA	防朝、環保、防靜電	恤衫、毛衣、
	Moisture resistance, environmentally friendly, good anti static properties. Highly transparent.	Apparels like woolen sweaters, shirts.

	透氧率	透水率		透氧率	透水率
	O ₂ TR	WVTR		O ₂ TR	WVTR
	cc/m ² 24hrs atm at 23°C	g/m ² 24hrs at 38°C		cc/m ² 24hrs atm at 23°C	g/m ² 24hrs at 38°C
	0% RH	90% RH		0% RH	90% RH
OPP20	190	6	AL9	1	1.1
OPP30	1800	5.8	LLDPE40	500	18
OPP40	1700	5.5	LLDPE50	4500	17
PET12	85	55	KOP21	10	4
NY15	45	260	KNY17	8	12
CPP20	2000	6	KPET12	8	12
CPP30	1800	5.5	PEARL30	2200	9
CPP40	1700	5	PEARL40	2200	9
VMCPP25	25	1	MAT OPP20	1900	6
VMPET12	2	2	MB777	20	5
AL7	1	1.4			

此數值只是作參考之用

以上數據由美亞包裝企業（1968）有限公司提供。

The information in this data sheet is for your reference only.