

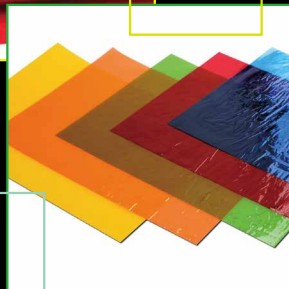
melangor

# Kesophane

Nature Wrap

**KESORAM**

FSC 純木漿透明紙



# KESOPHANE Nature Wrap

Introducing the new environmental-friendly Transparent Film made by pure FSC wood pulp, no more plastic chemical!

新一代環保透明膜材料 - 使用FSC純木漿製造，拒絕塑膠化學成分！



FSC Biodegradable & Food grade Transparent Paper for Packaging wrapping, FSC lamination, Stationery applications

FSC生物降解及食品級透明紙  
應用於包裝透明外膜，FSC紙覆膜及文具紙品



## DESCRIPTION

Kesophane is the next generation of packaging solution, a Sustainable packaging film that made from Natural wood managed by FSC (Forest Stewardship Council).

It is made from natural wood which is non toxic and biodegradable, It is low permeability to air, oil, grease, bacteria and water, ideal for food or pharmacy packaging.



Kesophane是新一代環保包裝解決方案，天然，可降解，可持續，採用FSC木漿製造成透明或顏色之無污染膜材  
天然樹木為原料，無毒，生物可降解，可食物接觸  
可透氣防潮，並阻隔油脂細菌，適合食品及藥品包裝

# FEATURES

- Transparent or various coloured
- Bio-degradable
- FSC certified - Can replace the currently plastic overwrap which can never pass FSC
- Food-contact friendly
- Naturally anti-static
- Heat Resistant up to 130 degree C
- Much lower Carbon footprint
- Sustainable
- Directly printable (Does not require any pre- treatment or coating, any ink usable)



- 透明或各種顏色
- 天然生物可降解
- FSC通過 - 可取代目前無法取得FSC之塑膠外膜，或直接鍍上FSC紙表面做光面處理
- 食物直接接觸安全性
- 天然防靜電
- 可耐熱至攝氏130度
- 低碳排放
- 可持續
- 可直接印刷，無需電暈處理，不挑油墨

# APPLICATIONS

- Suitable for Box Overwrap,
- Paper surface lamination layer
- Stationery products, DIY paper cutting
- Bakery,
- Fruit Packaging, Confectionery,
- Tobacco, Cigar
- Fresh Produce,
- Label & Printing,
- or as substrate material for multi layer packaging
  
- 適合用於紙盒外包膜(FSC)
- 紙表面覆膜
- 文具，勞作
- 烘培麵包類
- 糕點糖果，水果
- 煙草雪茄
- 新鮮魚，菜，肉類
- 標籤，印刷
- 可貼合於其他材料做多層複合料



性能	測試方式	單位	測試值		
			24 GSM	30 GSM	40 GSM
厚度	KesoramTest	micron	14	20	26
克重/平米	Kesoram Test	g/m <sup>2</sup>	23.5 - 24.0	30 -32	40 - 43
氧氣滲透率	ASTM-D1434-09	cc/m <sup>2</sup> x day x atm	2.06	2.06	2.06
產額	Kesoram Test	m <sup>2</sup> /Kg	41.7 - 42.6	31.3 - 33.3	23.3 - 25.0
光學光澤度	ASTM D 2457	%	91	88	86
抗拉長度	ASTM D 882	Kg/mm2	MD TD	12 5.5	12 5.5
斷裂伸長率	ASTM D 882	%	MD TD	14 - 16 30 - 35	15 - 16 33 - 35
耐破度	Kesoram Test	Kg/cm2		1.8 - 2.0	2.0 - 2.3
柔軟率	Kesoram Test	%		8 - 9	8 - 9



Property	Test Basis	Unit	Values		
			24 GSM	30 GSM	40 GSM
Thickness	KesoramTest	micron	14	20	26
Basis Weight	Kesoram Test	g/m <sup>2</sup>	23.5 – 24.0	30 -32	40 - 43
Oxygen Transmission rate	ASTM-D1434-09	cc/m <sup>2</sup> x day x atm	2.06	2.06	2.06
Yield	Kesoram Test	m <sup>2</sup> /Kg	41.7 - 42.6	31.3 - 33.3	23.3 – 25.0
Optical Gloss	ASTM D 2457	%	91	88	86
Tensile Strength	ASTM D 882	Kg/mm <sup>2</sup>	MD TD 12 4.5	12 5.5	12 5.5
Elongation at Break	ASTM D 882	%	MD TD 14 - 16 30 - 35	15 - 16 33 - 35	15 - 16 35 - 37
Bursting Strength	Kesoram Test	Kg/cm <sup>2</sup>	1.8 - 2.0	2.0 - 2.3	2.1 - 2.4
Softener (Glycerine)	Kesoram Test	%	8 - 9	8 - 9	8 - 9



melangor

**K**KESORAM

