

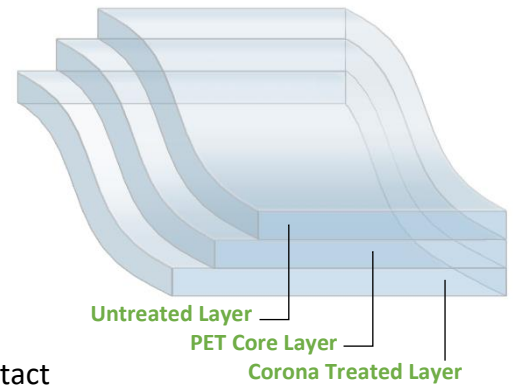
LCF4000

Clear Polyester Film

LCF4000 is a durable clear polyester film that offers high clarity, puncture resistance and dimensional stability. One side treated for high print definition. Ideal for those situations requiring a higher level of temperature resistance.

Features

- Crystal Clear with exceptional clarity
- One side corona treated
- High gloss and stiffness
- Excellent printability
- Heat resistant
- High resistance to tear
- Contains NO recycled polymers
- Meets relevant FDA and EU regulations for direct food contact



Typical Applications

Envelope Windows • Carton Windows • Labels • Transparencies • PPE
 Thermal Forming • Flexible Packaging • Print & Lamination

Gauges Available

- 10, 12, 15, 19, 23, 36 and 50 micron

Environmental Features



Petroleum Based

Environmental Features	Status
Recyclable	Yes - check with local authorities
Biodegradable	No
Home Compostable	No
Industrial Compostable	No

General Information

- Handling and Product Health and Safety details available on request
- Recommended storage in dry conditions between 30 °C and 5 °C
- Best used within 6 months of manufacture
- As for general Polyester our grade will start to soften at approx. 210 °C and will reach melt point around 260 °C
- We recommend you let the film acclimatise in the production environment for 24 hours prior to use

Typical Properties

Properties		Test Method	Unit	12mu	23mu	36mu	50mu
Yield			m ² / kg	59.5	31.0	19.8	14
Grammage			g / m ²	16.9	32.5	50.2	68.9
Density		ASTM E252	g / c cm	1.395			
Tensile strength	MD	ASTM D882	kg / cm ²	2000		1900	
	T D			1900		1800	
Elongation	MD	ASTM D882	%	90		100	
	T D			90		90	
Thermal shrinkage 150 °C @ 30min	MD	ASTM D1204	%	2.8			
	TD			0.4			
Haze		ASTM D1003	%	3.5		4.0	
Coefficient of friction		ASTM D1894	film to film	0.60			
Surface tension		ASTM D2587	dynes / cm	54			
WVTR 38°C & 90% RH		ASTM E398	g / m ² / day	45	28	22	18
OTR 23°C & 90% RH		ASTM E398	cc / m ² / day	110	70	50	30

As all applications are subject to those conditions prevailing within specific applications, we recommend that a test be carried out to your satisfaction prior to full production.

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