

# EWF8000 HO

## Clear Transparent PLA Window Material



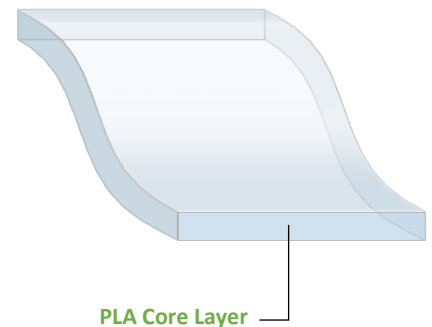
**EWF8000 HO** is a bi-axially orientated, gloss clear Polylactic Acid (PLA) material, with natural surface tension both sides. It is ideal for all your environmentally friendly applications.

### Features

- Made from annually renewable source
- Exceptional clarity, gloss and stiffness
- Resistant to oil, fat and alcohol
- Excellent twist and dead-fold retention
- Exceptional machinability on a variety of machines
- Contains NO post-consumer recycled material
- Complies with FDA and EU regulations for direct food contact

### Typical Applications

- Envelope and Carton windows
- Lumber/Plant Tags
- Food insert labels / separators
- Suitable for \*printing and single ply applications



### Gauges Available

- 20, 25, 30, 35, 40 and 50 micron

### Environmental Features

Plant-fibre Based	
Environmental Features	Status
Recyclable	Yes - check with local authorities
Biodegradable	Yes Biodegradable into carbon dioxide, water and biomass by microbial digestion
Home Compostable	No
Industrial Compostable	Yes
Made from annually renewable source	
Certified DIN EN 13432 (7H0052) for Compostable intermediates	



This logo can be used for final products which are made of this intermediate and certified with a 7P-number as final products at DIN CERTCO.

Certified AIB-VINCOTTE Internationale (class 4) OK biobased (S206)

### General Information

- Handling and Product Health and Safety details available on request
- Recommended to store in dry condition below 30 °C and above 5 °C
- Best used within 6 months of manufacture
- We recommend you let the material acclimatise in the production environment for 24 hours prior to use
- Operating Temperature Conditions: Suitable at 40°C for 10 days, or 100°C for 2 hours

### Typical Properties

Properties	Test	Units	20mu	25mu	30mu	35mu	40mu	50mu
Grammage		g/m <sup>2</sup>	24.8	31	37.2	43.4	49.6	62
Yield		m <sup>2</sup> /kg	40.3	32.3	26.9	23	20.2	16.1
OTR	ASTM E96	cm <sup>3</sup> / m <sup>2</sup> / day <small>23oC &amp; 0 RH</small>	1100	900	730	630	540	430
WVTR	ASTM D1434	gr / m <sup>2</sup> / day	440	330	270	230	200	170
Seal Strength		g/cm	230	290	350			
Heat Seal Range		°C	85 - 140					
Tensile strength	MD	ASTM D882	N/mm <sup>2</sup>	105				
	CD							
Breaking Elongation	MD	ASTM D882	%	185				
	CD							
Coefficient of friction	ASTM D1894	PLA to PLA	0.35					
Gloss	ASTM D2457	% at 45°C	80					

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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\* Natural surface tension of 37 mN/m on both side without decay overtime. Can be supplied with additional corona treatment on either surface which must be agreed prior to ordering.

\* Suitable for flexo- and rotogravure printing presses. This product requires low drying temperatures and high airflow for best results; Any solvent except Ethyl Acetate can be used as this will cause swelling and disintegration on the material. We recommend consulting your ink supplier prior to printing and carrying out appropriate tests.



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