

EWF1000

Clear Polystyrene Window Film

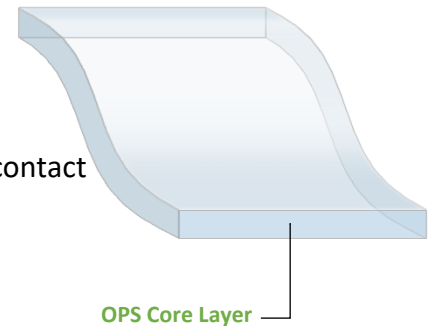
EWF1000 is a clear bi-axially oriented Polystyrene film that contains no plasticizers, will not absorb moisture and is gas/water permeable for breathability.

Features

- Excellent transparency and gloss
- Excellent printability
- Contains NO recycled polymers
- Complies with relevant FDA and EU requirements for direct food contact

Typical Applications

- Envelope and Carton windows
- Lumber/Plant Tags
- Food insert labels
- “No label” look when adhesive coated
- Food separators
- Lamination



Gauges Available

- 29, 32, 38, 50, 75 and 100 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 24 months of manufacture
- Do not expose to temperatures exceeding 90 °C or to direct heat from ovens or microwaves.
- We recommend you let the film acclimatise in the production environment for 24 hours prior to use

Typical Properties

Properties		Test Method	Unit	Value				
Thickness		ASTM D6988	mu	32	38	50	75	100
Specific Gravity		ASTM D505	%	1.05				
Yield		ASTM D4321	m ² / kg	29.76	25.06	19.05	12.70	9.52
Percentage of Rubber		Internal	%	0.4				
Surface Tension		ASTM D578	dyne / cm	Untreated 36 / Treated 60				
Coefficient of friction		ASTM D894		0.48 outside / bottom 0.56 inside / top				
Dart Drop Impact		ASTM D709	Nm	0.41				
Elmendorf Tear, Notched		ASTM D922	g	7.0				
Transmission			%	91.0				
Haze		ASTM D003	%	2.5				
Clarity			%	95.0				
Gloss		ASTM D2457	% @ 60 °C	150				
Tensile Strength	MD	ASTM D882	MPa	75.84				
	TD			75.84				
Elongation	MD	ASTM D882	%	4.0				
	TD			4.0				
1% Secant Modulus	MD	ASTM D882	MPa	2,895.8				
	TD			2,826.9				

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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