

# EWF1000

## Clear Polystyrene Window Film

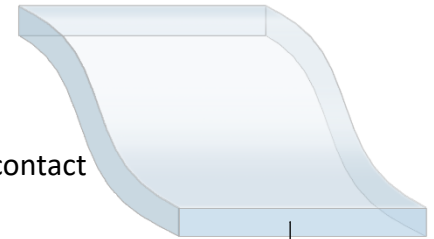
**EWF1000** is a clear bi-axially oriented Polystyrene film that contains no plasticizers, will not absorb moisture and is gas/water permeable for breathability.

### 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



OPS Core Layer

### 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	29	32	38	50	75	100
Specific Gravity		ASTM D505	%	1.05					
Yield		ASTM D4321	m <sup>2</sup> / kg	32.84	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 D1003	%	2.5					
Clarity			%	95.0					
Gloss		ASTM D2457	% @ 60°	< 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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EWF1000

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