

CelloTherm™ P

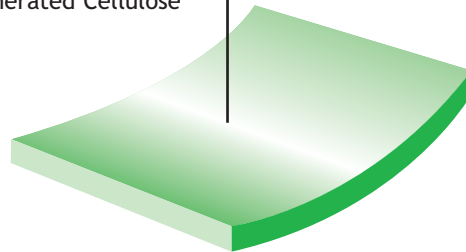
Data

Features - Non Heat-Sealable

Uncoated regenerated cellulose film with high mechanical strength.

- Excellent transparency, gloss and flexibility
- Anti-static properties
- Biodegradable film
- Heat resistant
- Microwaveable & ovenable

CelloTherm P
Regenerated Cellulose



Applications

CelloTherm P This film is used in laminations with other microwaveable materials. It is designed for use as the thermally stable outer web and to add dimensional stability to the pack.

It can also be used as a monoweb material at elevated temperatures, where heat sealing is not required.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	CelloTherm P 400
Thickness	Innovia Films test		mil	1.10
Yield	Innovia Films test		in ² /lb	17600
Permeability to: Water vapor	ASTM E96	100° F 90% RH	g/100in ² . 24 hrs	Not applicable
Oxygen	ASTM F 1927	75° F 0-5% RH	cc/100in ² . 24 hrs.bar	0.19
Optical: Gloss	ASTM D 2457	45°	units	95
Haze (wide angle)	ASTM D 1003	2.5°	%	4
Coefficient of friction (film to film)	ASTM D 1894	Static Dynamic		0.70
				0.60
Tensile strength	ASTM D 882		kpsi MD TD	18 10
Elongation at break	ASTM D 882		% MD TD	22 70
Sealing range	Innovia Films test	0.5 secs; 10 psi	°F	Not applicable
Seal strength	Innovia Films test	275° F; 0.5 secs; 10 psi	g(f)/1 ^{1/2} in	Not applicable

All properties are tested under standard laboratory conditions: 75°F; 50± 5% RH, unless otherwise stated.

MD Machine Direction TD Transverse Direction

CelloTherm™ P Data

Roll Specifications

Roll Lengths

Film	Length/(feet)			
	13" O.D. (3" Core)	14" O.D. (6" Core)	18" O.D. (3" Core)	18 ³ / ₄ " O.D. (6" Core)
400 CelloTherm P	8500		17700	

Other roll lengths are available subject to negotiation.

Sheets

Sheets can be provided to a range of sizes and shapes upon request.

Film Storage

To maintain the high quality of this product during storage it is recommended that CelloTherm P should be stored in its original wrapping away from any source of local heating or direct sunlight.

Recommended conditions of storage are:

Temperature: 60-75 °F

Relative Humidity: 35-55%

CelloTherm P is suitable for use for 6 months from the date of delivery and stocks should be used in rotation.

Films should be allowed to reach operating room temperatures for 24 hours before use.

Food Contact

CelloTherm P is suitable for use with a variety of foodstuffs in both microwave and conventional oven applications. The film is manufactured to meet current United States food contact regulations relating to regenerated cellulose films, including FDA regulation 21 CFR 177.1200. For specific inquiries, please contact our Technical Services Department.

Health & Safety Guidelines

For Health and Safety information, please refer to literature reference A190.



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