

# FreshWave Airtight Self-Venting Microwaveable Film

## Description

FreshWave™ Airtight Self-venting Microwaveable Film is a multilayer laminated film with a heat-sealing layer. Manufactured with patented pressure regulating film, it allows the package to stay hermetically sealed for storage and during microwave heating; the top barrier film separates or delaminates automatically from the self-venting film, regulating the excessive buildup pressure without rupturing the film.



## Highlights

- Excellent steaming effect achieved with Intelligent Double Pressure Cooking Technology.
- Puncturing is not required prior to microwave heating.
- Suitable for packaging frozen and refrigerated foods.
- Maximizes food moisture, vitamins, and minerals.
- Allows strong seal from PP trays.
- Allows conversion to pouches (3 sides sealed, 2 sides sealed, flow-wrap and stand up pouches) and fin and lap seal FFS applications.
- Up to 10 colors high quality rotogravure printing available.

## Physical Properties

Property	Value	Test Method ASTM
Material Composition	Laminated PET and CPP Film	
Substance (g/m <sup>2</sup> ) clear film	70.93	
Water Vapor Transmission Rate (g/m <sup>2</sup> /24hrs/37.8°C/90%RH)	< 12	E96
Oxygen Transmission Rate (cc/m <sup>2</sup> /24hrs/30°C/0%RH)	< 88	D1434
Yield (10 <sup>6</sup> Kg/M <sup>2</sup> )	MD	4.86
	TD	4.61
Tensile at Break (N/mm <sup>2</sup> )	MD	91.08
	TD	82.64
Elongation at Break (%)	MD	116.75
	TD	159.09
Recommended Sealing Temperature (°C)	150 ~ 210	

## Food Status

- FreshWave™ Film complies with all the requirements of:
  1. PET: FDA 21 CFR 177.1630  
CPP: FDA 21 CFR 177.1520
  2. 90/128/EEC and Commission Directive 97/48/EEC (amendment of 90/128/EEC) and 2004/19/EC (amendment of 2002/72/EC)
- Free of BBP (Benzyl Butyl Phthalate) and BPA (Bisphenol A)

TW 153042, AUS 780966, JP3747004 and multi-nations patent pending.

Last Updated 2007.12.17

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