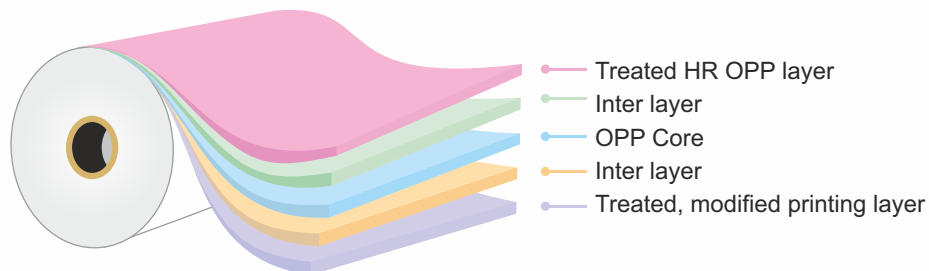


# Transparent Barrier Film With Exceptional Oxygen Barrier

## PCT-2 (HB) HR

### Structure



### Description

It is a clear Bi-axially Oriented Polypropylene film with exceptional oxygen barrier characteristics. Treated as highly attractive alternate for PET film for the construction of high barrier laminating structures.

### Features

- PET replacement printing layer
- Good oxygen and light barrier
- Good aroma and flavor barrier
- Low and stable COF
- Very good puncture resistance
- Grease resistance
- Hot slip modified
- Suitable for both extrusion/adhesive lamination

### Applications

- Sensitive biscuits, cookies and crackers
- Confectionery, snacks and chips
- Health and beauty care, Pet food

### Typical Values

Properties	Ref.	Units	ASTM # / Test Method	PCT-2 (HB) HR
<b>Physical Data</b>				
Average Thickness		micron	D-374-C	18
		gauge		72
		mils		0.7
Thickness Variation		% (±)		3
Density		g/cc		0.93
Average Substance		g/m <sup>2</sup>		16.7
Surface Tension (min)	HR Side	dynes/cm	D-2578	38
Kinetic COF	HR - HR		D-1894	0.40 - 0.50
Yield		m <sup>2</sup> /kg	D - 4321	59.88
		in <sup>2</sup> /lb		42099
<b>Physical Data</b>				
Gloss (45 °)		gardner	D - 2457	> 90
Haze		%	D - 1003	1.8 - 2.5
<b>Mechanical Data</b>				
Tensile Strength	MD	kg/ cm <sup>2</sup>	D-882	1200 -1500
	TD			2500 -2800
Elongation	MD	%	D-882	140 -190
	TD			30 - 70
<b>Thermal Data</b>				
Shrinkage (120 °C, 5 min.)	MD	%	D-1204	3.0 - 5.0
	TD			1.0 - 3.0
<b>Barrier Data</b>				
MVTR (38 °C, 90%RH)		g/m <sup>2</sup> /day	F-1249	<10
OTR (23 °C, 0%RH)		cc/m <sup>2</sup> /day	D-3985	<120

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction HR: Heat Resistance UP = Un-printed  
**Disclaimer :** The information provided above is based on COSMO FILMS LTD's conclusive tests, which are indicative only and provided as guidelines. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications.  
**Note :** Printable Side - Specialized polymer surface having natural wettability

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