

# MEDIUM BARRIER PA/PP THERMOFORMING FILM (180μ)



QuenchTek MBPP Films are flexible, **coextruded PA/PP Medium Barrier Thermoforming Films** designed for **high-temperature food packaging applications**. Designed with polypropylene layers, these highly transparent films deliver **superior puncture resistance and exceptional performance during cooking, pasteurization, sterilization, and microwave heating even at 121°C**.

Specifically developed as a bottom film for thermoforming lines, our **7-layered MBPP film** ensures reliable sealing, excellent molding performance, and outstanding product protection.

## TECHNICAL SPECIFICATIONS

PHYSICAL PROPERTIES		UNIT	TEST METHOD	VALUE
Total Thickness		μm	ASTM F 2251	180 ± 5%
Yield		m <sup>2</sup> /kg	ASTM D 4321	5.6
Avg. GSM		g/m <sup>2</sup>	ASTM E 252	178.2 ± 5%
Jumbo Width		mm	BTPLTM	Act Width ± 20
Reel Width		mm	BTPLTM	Act Width (+1, -0mm)
Tensile Strength	MD	kgf/cm <sup>2</sup>	ASTM D 882	>290
	TD			>300
Elongation	MD	%	ASTM D 882	>350
	TD			>400
Dart Impact Strength @152.4cm		g	ASTM D 1709	>1000
Puncture Resistance		N	DIN EN 14477	>8
COF F/F		-	ASTM D 1894	0.20 ± 0.10
COF F/M		-	ASTM D 1894	0.25 ± 0.10
Surface Tension Outer Side		dyne/cm	ASTM D 2578	>38
Surface Tension Inner Side		dyne/cm	ASTM D 2578	34 Fail
OPTICAL PROPERTIES				
Opacity (For Colored Film)		%	ASTM D 1003	>85
Haze (For Clear Film)		%	ASTM D 1003	<5.0
Gloss @ 60°		GU	ASTM D 2457	>130
THERMAL PROPERTIES				
Seal Strength		kg/15mm	ASTM F 88	>5.5

## STANDARD PUT - UPS

- Thickness:** 180μ
- Composition:** PA: 30%, PP: 70%  
(Tolerance: ± 5%)

**Widths Available :**  
100mm to 1320 mm (+1mm, -0mm)

**\*Different colors available on request.  
(White, Black, Blue Tinted)**

## KEY BENEFITS

- Withstands demanding heat processes.
- Reduce packaging failures and leakage risks.
- Improve line efficiency and consistency.
- Enhance retail presentation.
- Deliver a better consumer experience.

## KEY FEATURES

- PA/PP coextruded 7-layered medium barrier structure.
- Excellent thermoformability with strong PP-side sealability.
- High transparency for premium shelf appeal.
- Superior puncture resistance for pack integrity.
- Custom options: easy-peel & anti-fog properties.
- Suitable for pouches, thermoformed trays & lidding formats.



## SUITABLE FOR VARIOUS APPLICATIONS



Cooking



Pasteurization



Sterilization



Microwave Heating

## PRDOUCT CERTIFICATIONS



### Applications

Food packaging. We don't use any post-consumer recycled material in our manufacturing process. All the raw material for manufacturing these barrier films meets the requirement of USFDA, EU/10/2011, & FSSAI, thus ensuring food safety at all times.

### Storage & Shelf Life

This thermoforming barrier film should ideally be placed in a clean, cool and dry area where it does not come in direct contact with mordant chemical goods and or any other injurant. The product shelf life is 12 months from the date of dispatch. To protect the properties of the film, it is advisable to store it in dry and hygienic conditions, away from moisture and direct sunlight.

### Disclaimer

The technical information provided by Bagla Group is offered as general guidance only. Although based on internal testing and considered reliable, it does not replace user evaluation. Performance may vary depending on processing conditions and applications, and users should independently verify product suitability for their intended use. Bagla Group assumes no liability arising from the use of this information.

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### Head Office

- New Delhi

### Factories

- 3 in Mundra, India
- 1 in Kolkata, India
- 1 in Dadri, India
- 1 in Ciudad del Este, Paraguay
- 1 in Surabaya, Indonesia

### Domestic Sales Office

- Delhi • Mumbai • Kolkata • Cochin
- Bangalore • Hyderabad • Chennai • Bhopal

### Key Markets

- USA • Canada • Mexico • Germany
- UK • France • Italy • Spain
- Poland • Brazil • Argentina • Australia

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