

MEDIUM BARRIER THERMOFORMING FILM (100µ)



QuenchTek Medium Barrier PA/PE Thermoforming Films are developed for demanding food packaging applications for **short to medium shelf-life applications**.

The optimised **PA/PE structure combines strong puncture resistance with reliable sealing properties**, ensuring stable forming behaviour, smooth machinability, and efficient processing at **high packaging speeds**. This enables **material optimisation, improved productivity, and an appealing product presentation at the point of sale (POS)**.

TECHNICAL SPECIFICATIONS

| PHYSICAL PROPERTIES | | UNIT | TEST METHOD | VALUE |
|-------------------------------|----|--------------------------------------|--------------|-------------|
| Total Thickness | | µm | ASTM F 2251 | 100 ± 5% |
| Avg. GSM | | g/m ² | ASTM E 252 | 100 ± 5% |
| Yield | | m ² /kg | ASTM D 4321 | 10 |
| Tensile Strength | MD | kgf/cm ² | ASTM D 882 | >220 |
| | TD | kgf/cm ² | ASTM D 882 | >200 |
| Elongation | MD | % | ASTM D 882 | >230 |
| | TD | % | ASTM D 882 | >250 |
| Dart Impact Strength @152.4cm | | g | ASTM D 1709 | >600 |
| Puncture Resistance | | N | DIN EN 14477 | >4 |
| 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 |
| OPTICAL PROPERTIES | | | | |
| Opacity (For Colored Film) | | % | ASTM D 1003 | >80 |
| Haze (For Clear Film) | | % | ASTM D 1003 | <5.0 |
| Gloss @ 60° | | GU | ASTM D 2457 | >110 |
| THERMAL PROPERTIES | | | | |
| Seal Strength | | kg/15mm | ASTM F 88 | >3.0 |
| Peal Strength | | N/15mm | ASTM F 88 | <5.0 |
| BARRIER PROPERTIES | | | | |
| WVTR | | gm/m ² /day | ASTM F 1249 | <5.2 |
| OTR | | cm ³ /m ² .day | ASTM D 3985 | <36 |

STANDARD PUT - UPS

 **Thickness:** 100μ

 **Composition:** PA: 30%, PE: 70%

(Tolerance: ± 5%)

Widths Available :

100mm to 1320 mm (+1mm, -0mm)

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



KEY FEATURES

- Exceptional puncture resistance
- Superior transparency and gloss
- High-speed sealing
- Excellent processability
- Tight seal, even over grease and oils
- Wide processing window
- Deep draw depth
- Up to 25% material savings
- Fully customizable sizes and printing
- Clear and coloured film in stock

MARKETS/ APPLICATIONS



Fresh meat
with or without
bones



Processed
meat products
& snacks



Cheese and
Dairy



Fish &
Seafood



Pet
Treats



Bakery Products
& Pasta



Fruit and
vegetables



Convenience
products



Frozen
Products

PRDOUCT CERTIFICATIONS



Applications

Food packaging. We do'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.

© 2026 Bagla Group. All rights reserved.
This document is Bagla Group Public Information.

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

bagla GROUP | Let's innovate
Packaging!