QuenchTek™ MONO

PA-Free Thermoforming Film

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QuenchTek Mono is a high-barrier thermoforming film built on a polyethylene (PE) base with an EVOH oxygen-barrier layer. By removing polyamide (PA) from the structure, the film stays within a single polymer family — making it a true mono-material film that is recyclable in existing PE streams, while retaining the high oxygen barrier and deep-draw performance of a conventional PA/EVOH film.

0%	~90%+	EVOH	PPWR
PA (POLYAMIDE)	POLYETHYLENE	HIGH O_2 BARRIER	DESIGN FOR RECYCLING

FILM STRUCTURE

PE	Skin
PE	Bulk / forming
TIE	Adhesive
EVOH	Oxygen Barrier Core
TIE	Adhesive
PE	Bulk / forming
PE	Skin

PE / PE / TIE / EVOH / TIE / PE / PE

A seven-layer co-extruded construction. Polyethylene forms the bulk of the film, giving formability, sealing and mechanical strength. A thin EVOH layer delivers the high oxygen barrier needed for extended shelf life, while maleic anhydride tie layers bond the EVOH to the PE without introducing a foreign polymer.

Polyethylene (matrix) **EVOH (barrier)** **Tie (PE compatible)**

Thickness:	100µm to 350µm
Composition:	PE: 95%, EVOH: 5% (Tolerance: ± 5%)
Widths Available:	100mm to 1320mm (+1mm, -0mm)
Versions:	Transparent, Coloured, or Printed, Peelable
Printing:	HD gravure or flexo print (up to 10 colours)

contact@bagla-group.com
Version3: Aug 2026

KEY BENEFITS

Recyclable by Design:
A mono-material PE structure integrates seamlessly into existing mechanical recycling streams. No polyamide to contaminate the recyclate.

Extended Shelf Life:
A high-performance EVOH oxygen barrier protects product integrity and keeps food fresher for longer.

Simpler Sorting:
A single-polymer pack makes end-of-life sorting easier for converters, brands and consumers alike.

PPWR-Ready:
Meet design-for-recycling criteria of the EU Packaging and Packaging Waste Regulation (PPWR), keeping you one step ahead of future sustainability.

No Trade-off, No Premium:
All the barriers of our high-barrier range, now recyclable — engineered as a drop-in for your existing thermoforming lines.

Lower Carbon Footprint:
A lightweight, flexible film optimises pack size, transport efficiency and emissions across the packaging life cycle.

PRODUCT APPLICATIONS

MEAT
FRESH & PROCESSED

CHEESE
DAIRY

SEAFOOD
FISH

READY MEALS
CONVENIENCE

RECYCLABILITY & COMPLIANCE

This film is designed for recyclability in polyethylene film recycling streams, in line with the design-for-recycling criteria of the EU Packaging & Packaging Waste Regulation (PPWR). Recyclability in practice depends on local collection and sorting infrastructure. Recyclability and food-contact claims should be backed by test data or third-party certification (e.g. RecyClass) for the specific grade and market.

ADDITIONAL INFO & DISCLAIMER

- Property values stated are based on typical values and should not be construed as product specifications.
- The film complies with applicable regulations for direct contact with foodstuffs, provided the packaging material is used properly. The company packing the product is responsible for checking that the film is suitable for the intended application, for selecting a suitable film thickness, and for using a suitable secondary packaging system.
- The guaranteed storage life of the packaging material is 12 months from the date of manufacture, unless the transport packaging of the pallets is damaged or the terms of transportation and storage are violated.
- Store under a roof that protects the product from direct sunlight, at 15–25°C and 40–60% relative humidity, and at least 1m from heating appliances.
- Traces of colour are permitted in the film if they are not visible in a single film sheet.

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
• 1 in AltaMira, Mexico

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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