

RECYCLABLE THERMOFORMED TRAY

PE-EVOH-Film with Superior Optics for Demanding Applications



Why Recyclable Thermoformed Tray?

The thermoformed tray is a highly-efficient packaging system with excellent mechanical, optical and barrier properties. The high oxygen barrier is achieved with an EVOH layer, representing <5% of the overall pack weight, which keeps the film compatible with the PE-LD recycling stream. The mechanical properties and excellent thermoformability are achieved by combining different PE resins with an attractive economical and ecological balance. The efficient cooling of the AQUAREX results in a highly amorphous structure giving the film its superior optical properties and thermoformability.

To round out the environmentally-friendly concept, the lidding film used is a laminate of a recyclable PE-EVOH-film and an MDO PE-film.

Our partners



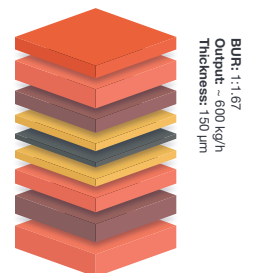
Your advantages

- ✓ Reduced food waste through extended shelf life
- ✓ Produced according to RecyClass Class B guidelines
- ✓ Lower CO₂ impact compared to conventional packaging

Recipe

Bottom Web Thermoforming Film

Resins		Layer thickness	Functions
LLDPE	Dowlex	15.2 µm	Stiffness; Thermal Resistance
mLLDPE	Innate	23 µm	Toughness
ULLDPE	Attane	17 µm	Impact; Puncture Resistance
Tie	Bynel	9 µm	Bonding
EVOH	EVAL	5.8 µm	Oxygen barrier
Tie	Bynel	9 µm	Bonding
mLLDPE	Innate	18 µm	Toughness
ULLDPE	Attane	24 µm	Impact; Puncture Resistance
mLLDPE	Innate	29 µm	Toughness; Sealing



Learn more about **RECYCLABLE THERMOFORMED TRAY**:
www.wh.group/int/en/sustainability/circular_economy/recyclable_solutions/thermoformed_tray

Find more information about **AQUAREX** on the back of the page.



AQUAREX

High Output, outstanding Film Properties and the most efficient Water Quench Technology



Why AQUAREX?

AQUAREX has the most efficient water quench technology available in the market today. With its state-of-the-art design, and world-class accuracy and perfect match of its components, the machine delivers best-in-class film quality with unmatched tolerances.

The water quench system gives the film structure an amorphous characteristic for excellent optical properties and superior performance in the thermoforming process. It also helps to maximize line output and energy efficiency.

- Consistent high film quality, achieved under precisely controlled and monitored production parameters
- Quick start-up and changeover times through intelligent automation modules and unique die design
- Exceptional energy efficiency thanks to intelligent energy monitoring
- Sustainability benefits from high production output, energy efficiency and low waste levels
- Unrivalled flatness made possible by uniform water cooling of the bubble and annealing using the EASY-FLAT unit

Your advantages

- ✓ The most efficient water quench technology
- ✓ Improved processing and film properties
- ✓ Excellent optics and superior performance in thermoforming
- ✓ High output and outstanding energy efficiency

Technical Data AQUAREX

Line widths	1300 – 1600 mm
Number of film layers	3, 5, 7, 9, 11
Extruder screw diameters	50, 60, 70, 90, 105, 120, 135 mm
Die diameters	300 – 630 mm
Raw materials	PE, PP, PA, PLA, EVOH, ionomers, biomaterials, recycling materials, ...
Winders	FILMATIC™ V (surface/center/gap winder) FILMATIC™ T (double turret winder) FILMATIC™ N (surface/center/gap winder)



Learn more about **AQUAREX**:
www.wh.group/int/en/our_products/extrusion/blown_film_lines/aquarex

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