

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Cucumber

Cucumis sativus



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) cucumber MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Fruiting vegetable, harvested immature; ethylene-sensitive
Ethylene	Production Low · sensitivity High (UC Davis Postharvest)
Suitable for	Organic & conventional cucumber (inert film — no organic certification needed)
Background	Cucumber is harvested immature and is very ethylene-sensitive.

PERFORMANCE & BENEFITS

Shelf life – cold chain	2–3 weeks at 10–12 °C (50–54 °F)
Shelf life – ambient	5–7 days at ambient
Recommended atmosphere	O ₂ 3–5% · CO ₂ 0–2% · RH 90–95% General postharvest guidelines (UC Davis Postharvest; Singla et al., 2022); vary by cultivar, maturity & region.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration and shrivelling • Inhibition of chilling injury and water-soaking • Inhibition of pitting • Inhibition of yellowing • Maintained freshness and firmness • Inhibition of storage mould and rots • Higher profitability due to reduced wastage

MATERIAL, FILM & COMPLIANCE

Film structure	Coextruded multilayer film — polyamide (Nylon-6, CAS 25038-54-4) and polyethylene / copolymer (CAS 9002-88-4)
Thickness / WVTR	22 microns · water vapour transmission (WVTR) 7–9 g/m ² /day
Properties	Transparent film; melting point 104–115 °C; density 0.918–0.923 g/cm ³ ; insoluble in water; stable
Food-contact compliance	FDA 21 CFR 177.1500 & 177.1520; EU 10/2011 and migration limits (EU) 1183/2012
Food safety	Manufactured under FSSC 22000 / ISO 22000 — current certificates on request

AVAILABLE SIZES

Formats Lifepack MAP bags available to fit standard 2, 5 and 10 kg cartons. Custom sizes on request.

Legal disclaimer: Lifepack SA has no control over the farming, handling, storage or transport of produce packed in LIFEPACK modified atmosphere packaging (MAP) and gives no express or implied guarantee and accepts no liability. Full disclaimer: <https://www.lifepacksa.co.za/legal-disclaimer/>

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