

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Papaya

Carica papaya



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) papaya MAP bag. MAP maintains high humidity and slows the ripening process, thus keeping the product fresher and firmer for longer.
Produce type	Climacteric fruit, harvested at full-green maturity to preserve green shelf life
Ethylene	Production High (once ripening begins) · sensitivity High (UC Davis Postharvest)
Suitable for	Organic & conventional papaya (inert film — no organic certification needed)
Background	Papaya is typically harvested and shipped in a green, unripened state, since any yellowing during transit forces costly sorting on arrival. Anthracnose is a major postharvest disease, and ethylene control both delays ripening in transit and helps suppress its development.

PERFORMANCE & BENEFITS

Shelf life – cold chain	4–6 weeks (green) at 8 °C
Shelf life – ambient	5–9 days once ripening begins
Recommended atmosphere	O ₂ 2–5% · CO ₂ 5–8% · RH 90–95% General postharvest guidelines (UC Davis Postharvest); vary by cultivar, maturity & region.
LIFEPAK MAP BAG KEY BENEFITS	• Extended green shelf life for longer storage and distribution • Slowing of the ripening process in transit • Reduced handling and sorting costs from premature yellowing • Individual pallets removable without disturbing CA • Maintained colour and firmness • Maintained freshness once ripening begins • 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.

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