

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Guava

Psidium guajava



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) guava 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 semi-ripe (green, firm) for export
Ethylene	Production Moderate · sensitivity High (UC Davis Postharvest)
Suitable for	Organic & conventional guava (inert film — no organic certification needed)
Background	Guava is harvested semi-ripe, light green and firm, and continues to ripen after harvest, moving from dark green through to deep yellow. Fruit picked too early fails to develop full sweetness, while fully ripe fruit is very soft and easily damaged.

PERFORMANCE & BENEFITS

Shelf life – cold chain	3–6 weeks (green) at 8 °C
Shelf life – ambient	5–7 days (ripening) at ambient
Recommended atmosphere	O ₂ 2–5% · CO ₂ 3–5% · RH 90–95% General postharvest guidelines (UC Davis Postharvest); CO ₂ tolerance not well established — conservative range shown.
LIFEPAK MAP BAG KEY BENEFITS	• Extended green shelf life for longer storage and distribution • Slowing of the green-to-yellow ripening process • Reduced dehydration and shrivelling • Individual pallets removable without disturbing CA • Maintained colour and firmness • Maintained freshness and aroma • 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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