

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Prickly Pear

Opuntia spp.



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) prickly pear MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Non-climacteric fruit, harvested fully ripe; low respiration rate but chilling-sensitive
Ethylene	Production Low · sensitivity Low (UC Davis Postharvest)
Suitable for	Organic & conventional prickly pear (inert film — no organic certification needed)
Background	Prickly pear (cactus pear) is picked fully ripe based on skin colour and does not ripen further after harvest. It is highly prone to moisture loss and, below 5°C, to chilling injury, so a careful balance of cold and atmosphere control is needed through storage and distribution.

PERFORMANCE & BENEFITS

Shelf life – cold chain	4–8 weeks at 5 °C
Shelf life – ambient	5–7 days at ambient
Recommended atmosphere	O ₂ 2% · CO ₂ 2–5% · RH 90–95% General postharvest guidelines (UC Davis Postharvest); vary by cultivar, maturity & region.
LIFEPAK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, preventing weight loss and scale wilting • Inhibition of flesh discolouration • Prolonging freshness after harvest • Maintained colour and firmness • Maintained freshness and texture • 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 LIFEPAK modified atmosphere packaging (MAP) and gives no express or implied guarantee and accepts no liability. Full disclaimer: <https://www.lifepacksa.co.za/legal-disclaimer/>