

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Leek

Allium porrum



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) leek MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Vegetable (stem), harvested by stem length and girth; grown for stem, not bulb
Ethylene	Production Low · sensitivity Low (general postharvest guidelines)
Suitable for	Organic & conventional leek (inert film — no organic certification needed)
Background	Leek, like fresh onion, is grown for its layered stem rather than a bulb, with length and girth as the main harvest indicators; it can also be picked as immature leek greens. It is highly prone to moisture loss in the outer leaves.

PERFORMANCE & BENEFITS

Shelf life – cold chain	3–4 weeks at 0–2 °C
Shelf life – ambient	5–7 days at 10 °C
Recommended atmosphere	O ₂ 2–4% · CO ₂ 3–5% · RH 95–100% General postharvest guidelines (similar stem vegetables); vary by cultivar, maturity & region.
LIFEPAK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration and shrivelling of outer leaves • Prolonging freshness after harvest • Individual pallets removable without disturbing CA • Maintained colour and firmness • Maintained freshness and crispness • 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/>