

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Radish

Raphanus sativus



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) radish MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Root vegetable, harvested by size/diameter and time since emergence
Ethylene	Production Low · sensitivity Low (general postharvest guidelines)
Suitable for	Organic & conventional radish (inert film — no organic certification needed)
Background	Radish maturity is judged mainly by size and time since sowing, with diameter used as an additional indicator. It is highly prone to moisture loss in both the root and any attached tops, and stored roots can re-sprout shoots and rootlets if not properly controlled.

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; vary by cultivar, maturity & region.
LIFEPAK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration and dehydrated tops • Inhibition of shoot and rootlet re-growth • Inhibition of yellowing of tops • Maintained red colour • 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.
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