

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Green Bean

Phaseolus vulgaris



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) green bean MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Fruiting vegetable (snap bean), harvested immature with fleshy pod and partially developed seed
Ethylene	Production Low · sensitivity Moderate (chilling-sensitive — published postharvest data)
Suitable for	Organic & conventional green bean (inert film — no organic certification needed)
Background	Green bean is picked while the pod is still immature, bright green and fleshy, with seeds only partially developed; over-mature pods lose tenderness and turn fibrous. It is highly prone to moisture loss and chilling injury.

PERFORMANCE & BENEFITS

Shelf life – cold chain	6–8 weeks at 5–8 °C
Shelf life – ambient	5–7 days at 10 °C
Recommended atmosphere	O ₂ 3–5% · CO ₂ 4–10% · RH 95% General postharvest guidelines (similar pod vegetables); vary by cultivar, maturity & region.
LIFEPAK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, weight loss and limpness • Prevention of off-flavours • Inhibition of browning and yellowing • Maintained tenderness • 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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