

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Butternut Squash

Cucurbita moschata



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) butternut squash MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Hard-rind winter squash (fruiting vegetable), harvested mature with a corked stem
Ethylene	Production Low · sensitivity Moderate (chilling injury risk — general postharvest guidelines)
Suitable for	Organic & conventional butternut squash (inert film — no organic certification needed)
Background	Butternut squash is harvested mature, once firm and fully coloured with a corked (dried) stem. Its thick rind gives it a long natural storage life, but the main risks are chilling injury and pitting if held too cold, and moisture loss from the cut stem.

PERFORMANCE & BENEFITS

Shelf life – cold chain	Up to 6 months at 12–15 °C
Shelf life – ambient	1–2 weeks at ambient
Recommended atmosphere	O ₂ 3–5% · CO ₂ 5–10% · RH 50–70% General postharvest guidelines; winter squash prefers lower humidity than most produce to protect the rind.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, preventing weight loss • Inhibition of chilling injury and pitting • Individual pallets removable without disturbing CA • Maintained 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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