

Pimiento Filling for Olives

RSF-02

Benefits of formulating with Protanal[®] alginate:

Protanal RF 6650 alginate offers unique properties in pimiento fillings.

- Smooth, homogenous gel structure
- Better utilization of pimiento raw material
- Provides the desired mechanical strength for automated filling of olives
- Provides the desired strip flexibility to prevent breakage during processing
- Excellent shelf stability

FMC BioPolymer offers Protanal[®] RF 6650 an alginate based product for the manufacture of restructured pimiento fillings for olives. The production of restructured pimiento fillings is based on gelling a mixture of ground pimiento and Protanal RF 6650 alginate in the presence of calcium. The resulting pimiento filling is easy to process and can be cut into strips, which can be filled into olives. In this manner, the use of Protanal RF 6650 alginate makes it possible to utilize the whole pimiento, thus minimizing raw material waste.

Formulation Guidelines: Restructured fruit pieces

<u>Ingredients</u>	<u>% by weight</u>
Water	88.9
Pimiento concentrate	8.0
Protanal[®] RF 6650 alginate*	1.6
Guar	1.5

Setting bath: 5 - 7 % calcium chloride (CaCl₂•2H₂O)

Brine : 17.0 % sodium chloride, 1.3 % citric acid, 81.7 % water.

* FMC BioPolymer

Processing Guidelines:

- Add a dry mix of Protanal RF 6650 alginate and guar gum to water at 35°C (95°F) and mix for 15 minutes.
- Add the pimiento concentrate to this solution and mix for 1 minute.
- Spread the mix on a belt and convey to a calcium chloride bath.
- Convey the mix through the bath for approximately 20 - 25 minutes.
- Remove the pimiento strip and place in brine to equilibrate.
- Cut to shape and fill into olives.

Regulatory Information

All products manufactured by FMC BioPolymer meet all standards of quality as defined by:

- US Code of Federal Regulations (21 CFR)
- Food Chemicals Codex
- J.E.C.F.A. Specifications issued by FAO/WHO
- European Economic Community Directives

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Product Suitability

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