

TEMPO PLASTICS

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| TITLE | TimeFresh™ controlled atmosphere packaging allows for custom tailored permeability rates |
| COMPANY / ORGANIZATION |  |
| FOOD CHAIN AREA | 2. Manufacturing / processing 3. Warehousing / storage 5. Point of purchase – Retail or Food Service 6. Consumer |
| KEYWORDS | Modified atmosphere packaging, flexible packaging, shelf life extension |
| ISSUE ADDRESSED | Addressing need for controlled atmosphere packaging that is scientifically engineered to maintain the appearance, texture and flavor of fruits and vegetables with the use of preservatives. |
| SOLUTION | <p>TimeFresh™ controlled atmosphere packaging addresses the above need where each package breathes at a controlled rate based on each product's natural respiration requirements. Invisible laser perforations help protect the package's integrity and limit the risk of contamination for consumer safety. Ethylene gas absorption and anti-fog functionality are two more attributes that can be incorporated into the packaging.</p>  |
| EXPECTED BENEFITS | <p>Keeps organic produce natural: Freshness without preservatives</p> <p>Increase distribution chains through extended shelf life: Benefits not only in the retail supply chain, but processors of produce as well – significant increase in shelf life enables manufacturing efficiencies by doing larger runs and storing products in TimeFresh™ packaging. It also decreases set-up and change over scrap to save thousands of dollars.</p> <p>Improve profits by decreasing shrinkage, by having less spoiled products: Increased shelf life by an additional 7-14 days for certain products</p> |
| CASE LINK | http://www.tempoplastics.com/fresh_frozen_produce.html http://www.weighpack.com/medialibrary/articles/StandUp_and_Deliver_Freshline_Foods_Canadian_Packaging.pdf |
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