



Beer in PET vs Glass Bottles

EEsof Packaging Research Series

Beer in PET vs Glass Bottles is our first published study within our **EE^s of Packaging_{TM}** research service. These studies focus on the **E**conomic impact and the **E**nvironmental impact of specific products, packages, and processes.

Undoubtedly, you have read or heard diametrically opposed economic and environmental claims about packaging from sources with equally good reputations. These opposing views have been highlighted in recent years by arguments about environmental claims, but economic claims have been argued for decades. Each source claims to utilize objective, quantitative analysis utilizing procedures that meet accepted standards. This common occurrence leaves industry participants, prospects, and customers frustrated and uncertain as to which results should be believed. We solve this dilemma in this research series.

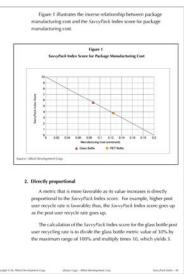
Our SavvyPack® Index is at the heart of this solution. Our SavvyPack® Index compliments our SavvyPack® Analytical Service. Essentially, we analyze the economic and environmental impact of packaging through our Analytical Service and present the results utilizing our SavvyPack® Index.

With this new study you can:

- > Understand the points of view of competing industries
- > Learn, quantitatively, how competing claims are constructed by their sponsors
- > Break free from the stalemate caused by competing claims
- > Discover a powerful and independent service and methodology designed specifically for package industry issues

Sample Pages





Beer in PET vs Glass Bottles

EE's of Packaging Research Series

65 **Pages**

Tables - 25

Figures - 2

Learn About:

- > Beer packaged in a glass bottle and a PET bottle
- > In-depth economic analysis for both
- > In-depth environmental analysis for both
- > The latest technology developments and the impact they have

Written for Decision Makers:

- > Converters
- > Raw Material Suppliers
- > Equipment and Machinery **Suppliers**
- > Brand Owners
- > Industry Analysts

What is included:

- > A value chain analysis of packaged beer
- > A corresponding life cycle analysis
- > A what-if evaluating the oxygen fuel furnace for glass bottle production
- > 12 metrics in the SavvyPack® Index

Table of Contents:

Section I:

Introduction

- A. What is the purpose of this study?
- Key definitions
- Point of view
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- SavvyPack Index
- Study organization
- Geographic considerations
- Study methodology
- Conventions

Section II:

Economics

- A. Key assumptions
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 - Product waste
 - Scope of the analysis
 - End-of-life
- B. Case 1a: Glass bottle
- Manufacturing cost
- 1. General assumptions
- Manufacturing cost results C. Case1b: Glass bottle - Filling
- cost General assumptions
- Filling cost results
- D. Case 2a: PET bottle
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 - 1. General assumptions
- Economic results
- E. Case 2b: PET bottle Filling

- General assumptions
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- F. Results Summary

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- 1. Energy consumption
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 - 1. Energy consumption
 - Greenhouse gas releases
 - Water consumption
- End of life D. Results Summary

Section IV:

SavvyPack Index

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- B. Metric results
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- 7.Package efficiency 8. Pallet efficiency

- 9. Post user recycling rate
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Section V:

What-ifs

- A. What-ifs
- B. Oxygen furnaces
 - Concept
 - Model adjustments
 - Results

Additional Allied Development Capabilities



Allied Development's SavvyPack® Packaging Analysis Service is the industry standard for economic and environmental analysis of packaging.

Allied Development Studies include:

Barrier Materials for Rigid Packaging

a comprehensive global analysis of barrier materials used in the production of rigid packaging.

U.S. Microwaveable Packaging an in-depth study of the U.S. microwaveable packaging industry.

Medical Device Packaging

a global study of disposable medical device packaging including volume and value of primary, secondary, insert, and tertiary packaging.

Pharmaceutical Packaging

a global study of the pharmaceutical packaging market.

Stand-up Pouches

an in-depth study of stand-up pouches including volumes, values, trends, emerging competitive products, technologies, and economics.

Barrier Materials for Flexible Packaging

a comprehensive global analysis of barrier materials used in the production of flexible packaging.

a global analysis of the PET Bottle

Oriented Films for Packaging a global study of the oriented films industry.

Transparent Oxide-coated Films

a global study of the transparent oxide-coated films industry focused on packaging.

Retort Pouches

an in-depth global study of the retort pouch industry.

Labels in Packaging a global study of the label industry.

Packaging in India a detailed study of the packaging

industry in Indía.

Pharmaceutical Blister Packaging a global study of the pharmaceutical blister packaging market.

Biopolymers in Packaging an in-depth global study of the biopolymer industry, focusing on

Stick Pouches an in-depth global study of the stick pouch industry.

U.S.Foodservice Packaging a detailed analysis of the U.S. foodservice market.

For further information visit: www.allied-dev.com or call 1.952.898.2000

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