

PET Bottles 2011 to 2015

Section I:

Introduction

- A. Study purpose
- B. Key definitions
 - 1. PET bottles
 - 2. Geography
- C. Study organization
- D. Geographic regions
- E. Study methodology
- F. Conventions

Section II:

Executive Summary

- A. Technology
 - 1. Environmental response
 - 2. Economics
- B. Economic and environmental impact
 - 1. Economic results
 - 2. Environmental results
- C. Market analysis – drivers and trends
 - 1. Macroeconomic environment
 - 2. Environmental improvement
 - 3. Economic impact
- D. Market analysis – statistics and projections
 - 1. PET bottle volume segmented by end-use category
 - 2. PET Bottle value segmented by end-use category
 - 3. PET bottle volume segmented by end-use
 - 4. PET bottle growth segmented by end-use
 - 5. PET bottle volume segmented by geographic region
 - 6. PET bottle volume segmented by barrier vs. non-barrier
 - 7. PET bottle volume segmented by renewable content

Section III:

Technology

- A. PET bottle design
 - 1. Raw materials
 - 2. Bottle weight reduction

- 3. Structures
- 4. Shape
- 5. PET bottle producers
- B. Bottle manufacture
 - 1. Injection molding the preform
 - 2. Stretch blow molding
 - 3. Jar molding
 - 4. Equipment suppliers
 - 5. Barrier coating process
- C. PET bottle filling
 - 1. Hot filling
 - 2. Heat processing after packaging

Section IV:

Economics and Environmental

- A. Case 1: Economics – standard PET water bottle
 - 1. General assumptions
 - 2. Bottle assumptions
 - 3. Economic results
- B. Case 2: Economics – renewably sourced PET water bottle
 - 1. General assumptions
 - 2. Bottle assumptions
 - 3. Economic results
- C. Case 3: Economics – lightweight PET water bottle
 - 1. General assumptions
 - 2. Bottle assumptions
 - 3. Economic results
- D. Case 4: Economics – ultra-lightweight PET water bottle
 - 1. General assumptions
 - 2. Bottle assumptions
 - 3. Economic results
- E. Case 5: Economics – glass water bottle
 - 1. General assumptions
 - 2. Bottle assumptions
 - 3. Economic results
- F. Case 6: Comparison of Cases 1 through 5
 - 1. Material cost
 - 2. Converting cost
 - 3. Total cost
- G. Case 7: Environmental – standard PET water bottle

1. Energy
2. Greenhouse gas releases
- H. Case 8: Environmental – renewably sourced PET water bottle
 1. Energy
 2. Greenhouse gas releases
- I. Case 9: Environmental – lightweight PET water bottle
 1. Energy
 2. Greenhouse gas releases
- J. Case 10: Environmental – ultra-lightweight PET water bottle
 1. Energy
 2. Greenhouse gas releases
- K. Case 11: Environmental – glass water bottle
 1. Energy
 2. Greenhouse gas releases
- L. Case 12: Comparison of Cases 7 through 11
 1. Energy consumption
 2. Greenhouse gas releases

Section V:

Market

- A. Drivers and trends
 1. Demand determinants
 2. Macroeconomic environment
 3. Environmental
 4. Economic
 5. Product concentrations
 6. Merchant versus captive preform manufacturing
 7. Shelf appeal
 8. Consumer trends
 9. Government regulations
 10. Industry consolidation
- B. Global PET bottle volume by end-use category
- C. Global PET bottle value by end-use category
- D. Global beverage PET bottle volume by end-use
 1. Beer
 2. Carbonated soft drinks
 3. Juice beverages
 4. Milk and dairy drinks
 5. Ready-to-drink tea
 6. Sports drinks

- 7. Water
- 8. Wine and spirits
- 9. Other beverages
- E. Global non-beverage PET bottle volume by end-use
 - 1. Condiments, sauces, and dressings
 - 2. Household chemicals
 - 3. Nuts and trail mix
 - 4. Over-the-counter (OTC) pharmaceuticals
 - 5. Personal care
 - 6. Other non-beverages
- F. Global volume by geographic region
- G. Global value by geographic region
- H. Asian PET bottle volume
 - 1. Asian beverage PET bottle volume
 - 2. Asian non-beverage PET bottle volume
 - 3. Asian PET bottle volume
- I. European PET bottle volume
 - 1. European beverage PET bottle volume
 - 2. European non-beverage PET bottle volume
 - 3. European PET bottle volume
- J. North American PET bottle volume
 - 1. North American beverage PET bottle volume
 - 2. North American non-beverage PET bottle volume
 - 3. North American PET bottle volume
- K. Rest-of-world PET bottle volume
 - 1. ROW beverage PET bottle volume
 - 2. ROW non-beverage PET bottle volume
 - 3. ROW PET bottle volume
- L. Global value by end-use
 - 1. Global beverage PET bottle value
 - 2. Global non-beverage PET bottle value
- M. PET bottle volume segmented by barrier vs. non-barrier
- N. PET bottle volume segmented by layer configuration
- O. PET bottle volume segmented by coated vs. non-coated
- P. PET bottle volume segmented by oxygen scavenger content

- Q. PET bottle volume segmented by package type
- R. PET bottle volume segmented by renewable content
- S. PET bottle volume segmented by recycled resin content

**Section VI:
Producer Profiles**

**Section VII:
Equipment Profiles**

**Section VIII:
Glossary**

Tables: 65

Figures: 24