



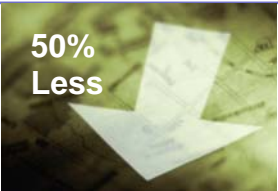





Take another look ...

Environmental Facts About Polystyrene Foam

- A Life Cycle Inventory Study¹ of polystyrene foam plates and poly-coated paper plates shows that the foam products have a favorable environmental impact compared to the paper products.
- Polystyrene foam bans force restaurants to use alternatives that often have a higher environmental burden.
- Litter is litter. Banning polystyrene foam only replaces one material with another. Recycling and reducing all forms of waste are the best solution to litter.
- There is no evidence that polystyrene foam bans reduce litter. A recent study of results from a ban on polystyrene foam in Portland, Oregon, shows that the ban has not been successful and should be repealed.²
- The environmental impact of alternatives needs to be studied and carefully considered.
- Polystyrene foam is recyclable and, thus, has a favorable environmental impact.

Life Cycle Inventory Comparison of 9" Polystyrene Foam and Poly-Coated Paper Plates

				
	Energy Usage	Greenhouse Gas Potential	Material Usage	Solid Waste
Polystyrene Foam				
Facts	Polystyrene foam uses significantly less energy during its life cycle.	Greenhouse Gas (GHG) emissions are significantly less with polystyrene foam.	Polystyrene foam plates are 90% air and use 2.5 times less material.	The solid waste impact of polystyrene foam is significantly less.
Comparison	Replacing polystyrene foam plates with poly-coated paper plates in Los Angeles County will increase the energy usage by the equivalent BTU's of 500,000 gallons of gasoline. ³	By replacing polystyrene foam with paper alternatives in Los Angeles County, GHG emissions will increase by an amount equivalent to adding 1,630 mid-size cars onto California roads each year. ⁴	The material in 100 polystyrene foam plates is equal to the weight of 40 paper plates. ¹	Polystyrene foam foodservice packaging accounts for less than 1% by weight and volume of land-filled materials.

¹Final Peer-Reviewed Report: *Life Cycle Inventory (LCI) of Foam and Coated Paperboard Plates*, Franklin Associates, Ltd., May 2008. LCI Study compares 4.7g polystyrene foam plates and 12.1g poly-coated paper plates. Report available on www.pactiv.com

²*Sustainable Failure: Why Portland's Polystyrene Foam Ban Should Be Repealed*, Cascade Policy Institute, November 2007, www.cascadepolicy.org

³Based on replacing 221,000,000 foam plates with paper plates in LA County and using a value of 125,000 BTU for the energy content of a US gallon of gasoline as per USEPA's report *Solid Waste Management and Greenhouse Gases – A Life Cycle Assessment of Emissions and Sinks*, 3rd edition, September 2006, p. 100 (not part of Franklin Assoc. Report referenced in footnote 1), www.eia.doe.gov/basics/conversion_basics.html

⁴Based on 680 lb CO2 emission increase per 10,000 paper plates, replacing 221,000,000 foam plates with paper plates, and on 9200 lb CO2 emission from an average car as per USEPA's report *Solid Waste Management and Greenhouse Gases – A Life Cycle Assessment of Emissions and Sinks*, 3rd edition, September 2006, p. 100 (not part of Franklin Assoc. Report referenced in footnote 1), www.terrapass.com/carbon-footprint-calculator

Polystyrene Foam – What is it?

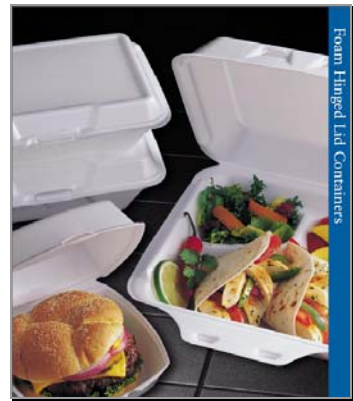
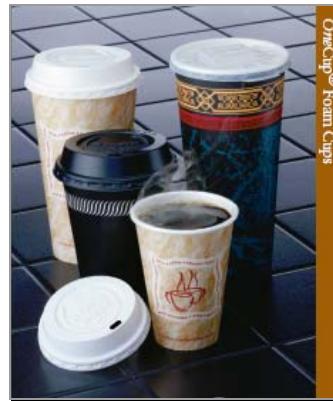
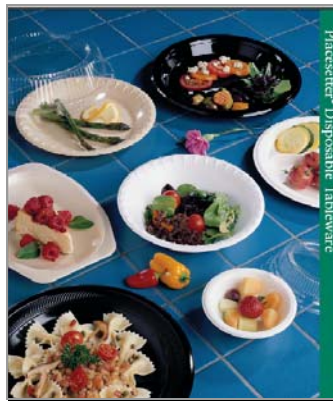
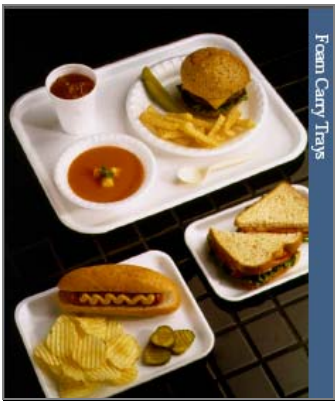
In addition to Polystyrene Foam's **environmental benefit**, it is:

functional and **versatile**;

economical;

sanitary, sturdy and **safe (FDA Accepted)**;

environmentally friendly as well as **resource efficient**.



A Comparison of Alternative Products vs. Polystyrene Foam



Aluminum
Costs **2.0** times*
more;
weighs **1.6** times
more



Molded Fiber**
Costs **3.0** times*
more;
weighs **2.5** times
more



Starch
Costs **3.0** times*
more;
weighs **2.6** times
more



PP
Costs **2.5** times*
more;
weighs **3.4** times
more



PLA
Costs **3.0** times*
more;
weighs **2.4** times
more



Paper
Costs **3.0** times*
more;
weighs **2.5** times
more

* Estimated Cost Differences
** 100% Virgin Fiber

Polystyrene Foam Packaging is the Best Value.