



Environmental Analysis: Notice 121

PET Containers

Bottle Detail

PET is an excellent plastic packaging choice for the environment. The production process of PET:

- reduces fuel consumption;
- reduces greenhouse gas emissions;
- reduces package waste; and is
- recyclable (into carpets, car parts, fabrics and new bottles).

PET is a form of polyester called polyethylene terephthalate. PET is the most recycled plastic packaging in the world. Readily available by manufacturers in both China and Taiwan, PET is easily identified by the #1 code on or near the bottom of each container. PET bottles are strong, lightweight, shatter-resistant, reusable, and perfectly holds ingredients and colours.

The production of PET is energy efficient. Compared to the equivalent production of H.D.P.E. bottles we currently use, PET containers generates:

- 60% less greenhouse gases;
- half as much air pollution that contribute to acid rain, ozone generation and particulate matter that cause respiratory problems; and
- less than 25% as much wastewater and water pollution.

Shellbourne Fuels is committed to safeguarding the environment. We lead the competition with the unprecedented performance of our products that reduce tail pipe emissions like NOX by 74% and improve fuel economy on an average of 10%. These positives, however, will not make us #1 unless we reduce the environmental footprint of our overall operation. Recycled bottles provide a valuable resource. When we recycle a kilogram of PET containers, instead of trashing as we have been doing with our H.D.P.E. containers, we save over 55,000 BTU's* or approximately 1.6 litres of gasoline.

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(* A BTU-British Thermal Unit is defines as the amount of energy required to raise the temperature of one pound of water by one degree Fahrenheit).