



Recycled Polyester Fiber

Facilitates harmony with the ecosystem respecting the values of nature and all living organisms

This is the fundamental concept of Teijin Group's environmental management. To represent the concept in practical forms, Teijin makes every effort to reduce environmental impact from its business operation by making effective use of resources and recycling its products.

> One of the priorities is the deployment of ECOPET™, recycled polyester fiber made from used PET bottles.

The environmental impact reduction effect of ECOPET™ has been substantiated by an LCA study.

As a result of a study using the LCA methodology, ECOPET™ can reduce CO2 emission by 47% and energy consumption by 33% as compared to having the fiber produced from oil.

The assessment includes CO2 emitted by incinerating products that are not recycled. Source: An estimate by Industry-Information Collaboration Research Center Corp.

* Conversions are made based on the following assumptions.

(2) One pine tree would absorb 14 kg of CO2 in a year (3) 1 liter of crude oil would produce 38.2 MJ of heat (thermal energy)

(1) One 500ml PET bottle weighs 30 grams, amounting to a total weight of 9 kg

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For example,*

When 300 PET bottles of 500ml capacity are recycled into staple fiber:



The 33% reduction in energy consumption is







equivalent to the amount of CO2 absorbed annually by 2.33 pine trees.

equivalent to saving 14.6 liters of crude oil.



ECOPET™ is a polyester fiber made from collected used PET bottles through the "material recycle process". It enables the effective use of available resources without relying on fresh oil, effectively reducing adverse effect on the environment significantly. Since its first introduction in 1995, it has been used in a variety of applications.



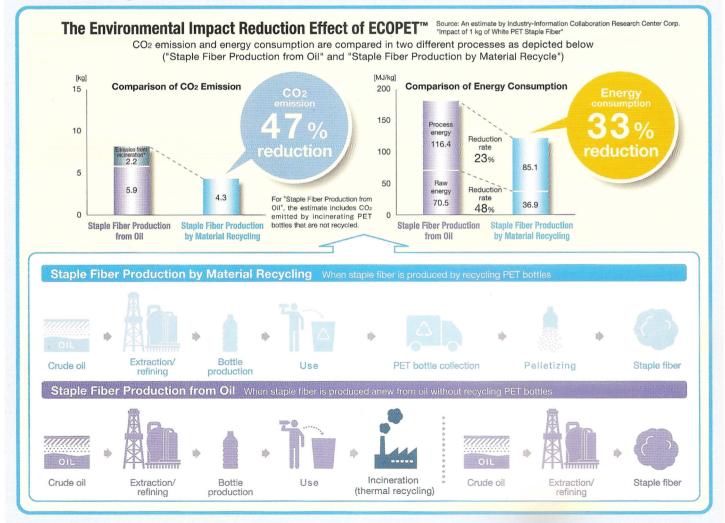


PET bottles are valuable resources.

In Japan, more than 70% of PET bottles are recycled. In today's circumstances, which calls for further efforts for preserving environment, PET bottles are regarded as valuable resources for realizing sound utilization of materials through recycling.



The ecological nature of ECOPET™ becomes evident by comparison!



ECOPET™ offers an opportunity to appeal with the use of recycled materials to your customers, while facilitating the effective use of PET bottles.

TEIJIN FIBERS LIMITED