

#PlasticSavesEnergy



saves enough energy to power a 60W light bulb for 6 hours

Without EPS packaging, energy consumption would double when compared to alternatives

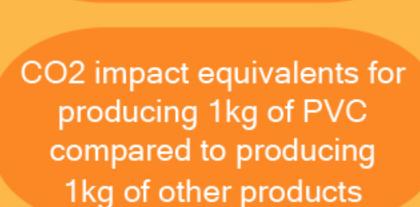
The use of plastic composite panels in Swiss trains has led to a 25% reduction in weight and consequently significant energy savings



Insulating foams in buildings save 2,400 million tonnes of greenhouse gas in their lifetime

#PlasticSavesCarbon

Compared to traditional building bricks, plastic building blocks emit 95% less CO2



Recycling 1 tonne of plastic bottles saves 1.5 tonne of carbon

being used in the European Union with paper ones in one year, you would need to cut down an additional 2.2 million trees, which would

To replace all the plastic bags

prevent 2,188 metric tonnes of carbon being absorbed by the trees

#PlasticSavesWater

Officials in Los Angeles recently released 96 million plastic balls into the 75-acre Los Angeles Reservoir in hopes of preventing

300 million gallons of water from evaporating each year

The production of plastic bags consumes less than 4% of the water needed to make paper bags



Using plastics in modern washing machine drums reduces water consumption ^{by} 40-50%

PVC pipes have the lowest overall failure rate when compared to other materials and are designed to last more than 100 years

#PlasticSavesFuel

For every 7 trucks needed to

deliver paper bags, only 1 truck is needed for the same number of plastic bags

comprised of 50% plastic composites by weight and 80% by volume, which contributes to a 20% fuel saving

The Boeing 787 Dreamliner is

car, lightweight plastic parts save around 3,000 litres of petrol as a result - which would get you to and from New York almost 5 times!

Over the lifetime of the average

produce than concrete or iron and since lightweight they save on transport costs and emissions in the building industry

Plastics pipes use less energy to

#PlasticSavesLives

Over 3,000 police officers' lives have been saved over the past 30 years due to the fact that protective vests are made with tough plastics materials

There are more than 10 million 3D printed hearing aids worldwide

the risk of fatal injury to front-seat passenger car occupants by 45% and light-truck occupants by 60% Every year, about 600,000

Seat belts, when used, reduce

pacemakers, insulated by a polymer, are fitted globally

#PlasticSavesFood

The shelf-life of beef can be extended by 5-10days when using the most advanced plastics packaging solution



cucumber in plastic film extends its shelf-life to up to 14 days

products delivered to customers are spoilt during transport thanks to packaging - compared to 50% in developing countries

In Europe, only 3% of all

Wrapping bananas in a modified atmosphere bag extends shelf-life by 2 to 3 days

https://www.fas.org/sgp/crs/misc/R43544.pdf http://www-nrd.nhtsa.dot.gov/Pubs/811390.pdf

en_web_resolution.pdf

http://www.americanchemistry.com/Media/PressReleasesTranscripts/ACC-news-releases/New-Study-Polystyrene-Foam-Cups-and-Plates-Use-Less-Energy.html http://www.cia.org.uk/Portals/0/Documents/Low_carbon_brochure_final2LR.pdf

http://www.rutland.gov.uk/waste_and_recycling/facts_figures.aspx http://www.wrap.org.uk/content/fast-facts-plastics http://www.letstalkplastics.com/facts/plastic-bags-versus-paper-bags http://www.plasticseurope.org/documents/document/20121120170458-final_plasticsthefacts_nov2012_

http://www.bpf.co.uk/sustainability/Plastics_and_Sustainability.aspx

http://www.bpf.co.uk//topics/12_Good_Reasons_to_Specify_PVC.aspx https://www.thedti.gov.za/parliament/2014/Plastics_part2.pdf

http://plasticsindustry.org/APBA/Bags/index.cfm http://www.dailymail.co.uk/sciencetech/article-3194098/Couldplastic-balls-bring-relief-drought-stricken-California-Los-Angeles-releases-96-million-spheres-protect-re

servoir-water.html http://www.usu.edu/today/index.cfm?id=51095 https://www.plasticsindustry.org/AboutPlastics/content.cfm?ItemNumber=788&navItemNumber=1280

http://www.rannv.org/documents/8/April%202008.pdf http://www.boeing.com/commercial/eeromagazine/articles/qtr_4_06/article_04_2.html http://www.bpf.co.uk/sustainability/Plastics_and_Sustainability.aspx

http://www.forbes.com/sites/rakeshsharma/2013/07/08/the-3d-printing-revolution-you-have-not-heard-about/

http://circ.ahajournals.org/content/105/18/2136.full

tics_save_food_sept_2103.pdf

tics_save_food_march_2014_final.pdf

http://www.linde-gas.com/internet.global.lindegas.global/en/Images/MAPAX%20brochure17_4683.pdf http://www.incpen.org/docs/CucumberGrowersAssociation.pdf icons/vector by freepik http://www.freepik.com/



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