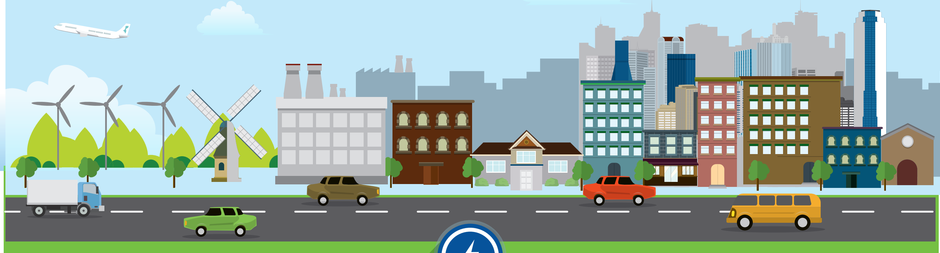
BPF
British Plastics Federation

PolymerZone.co.uk

PLASTIC SAVES

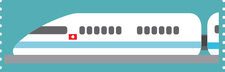


PLASTIC SAVES ENERGY

Without
EPS PACKAGING
energy consumption would double when compared to alternatives

Insulating foams in buildings save
2,400 MILLION TONNES
of greenhouse gas globally in their lifetime

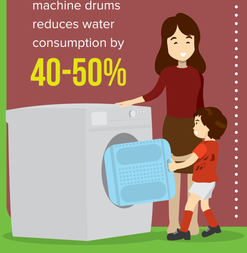
The use of plastic composite panels in Swiss trains has led to a
25% REDUCTION
in weight and consequently significant energy savings



Recycling just one plastic bottle saves enough energy to power a 60W light bulb for
SIX HOURS

PLASTIC SAVES WATER

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



The production of plastic bags consumes
LESS THAN 4%
of the water needed to make paper bags

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

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

PLASTIC SAVES FUEL

Over the lifetime of the average car, lightweight plastic parts save around
3,000 LITRES
of petrol as a result – which would get you to and from New York almost five times!

For every 7 trucks needed to deliver paper bags,

only **1 TRUCK** is needed for the same number of plastic bags

Plastics pipes use **LESS ENERGY** to produce than concrete or iron and since lightweight they save on transport costs and emissions in the building industry

The Boeing 787 Dreamliner is comprised of
50% plastic composites by weight
& 80% by volume, which contributes to a
20% FUEL SAVING

PLASTIC SAVES LIVES

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

Seat belts, when used, reduce the risk of fatal injury to front-seat passenger

Car occupants by **45%**

light-truck occupants by **60%**

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

Every year, about
600,000
pacemakers, insulated by a polymer, are fitted globally

PLASTIC SAVES FOOD

Wrapping bananas in a modified atmosphere bag extends shelf-life by
2 TO 3 DAYS

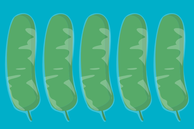
In Europe,
ONLY 3% OF ALL PRODUCTS

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

The shelf-life of beef can be
EXTENDED BY 5-10 DAYS

when using the most advanced plastics packaging solution

Wrapping a cucumber in plastic film extends its shelf-life to up to
14 DAYS



For more information, please visit
www.bpf.co.uk