

PRODUCT SPECIFICATION SHEET

Post Consumer PET (rPET)



WHAT IS rPET?

rPET (Recycled PET) is created from post consumer resin made from recycling PET products such as water bottles and packaging.

A common misconception is that recycled products lose some functionality or integrity. However, with rPET that is not true! Tests show PET can be recycled multiple times without degradation.

Manufacturing rPET yields a significantly smaller Carbon Footprint than the manufacture of Virgin PET. Recycling PET to rPET decreases the demand for Virgin PET, and more importantly, diverts plastic waste that would have ended up in landfills and our oceans.

PINNPack rPET PROPERTIES

Material	100% Post Consumer Recycled PET Resin
Color	Any Color. Clear has a slight tint due to the recycled content.
Intrinsic Viscosity	Equal to or better than that specified from Virgin Resin used for Direct Food Contact Thermoformed Products.
Freezable?	Yes! Up to -25 degrees C (+/- 3 degrees C)
Carbon Footprint	0.45 kg of CO2 per kg of rPET *Virgin PET has a CF of 2.15 kg of CO2 per kg of PET

FEATURES AND BENEFITS:

Same thermoforming properties as Virgin Resin

Same Strength characteristics as Virgin Resin

100% Recyclable



rPET Resin

THE PROOF IS IN THE COLOR:

Right now, the only real indicator between something made with PET vs. rPET is the color. In the sterilization process when making rPET, other non-PET plastic impurities are burned off and creating a slight hue. This gives rPET Plastic Material a slightly tinted color when compared to Virgin PET, which is often crystal clear.

If you see a package in the store thats slightly tinted, you can almost be sure that it is made from rPET.

PLASTIC RECYCLING FACTS*:



Recycling 1 ton of plastic **freees 30 cubic yards** of landfill space - the size of a large 20ft dumpster.



Recycling 1 ton of PET **saves 1.5 Tons of CO2** Emissions - the same amount released by the average car driving for 2.5 days, non-stop.



Recycling plastic PET bottles to make post consumer resin saves approximately **88% of the energy** required to make the same amount of virgin PET Resin.



It takes about **63 20oz. PET drink bottles** to make a sweater.



Recycling just **1 plastic bottle** can save enough energy to power a 60W light bulb for 6 hours.

ENVIRONMENTAL BENEFITS OF USING rPET*

Carbon Footprint reduction when producing Recycled Resin vs Virgin Resin <small>(CF of PET is 2.15 kg of CO2 per kg of PET, CF of rPET is 0.45 kg of CO2 per kg of rPET)</small>	79%
Plastic diverted from Oceans/Landfills <small>(Based on the approx 4 Billion water bottles recycled annually at centers)</small>	100,000 Tons
Number of average homes that could be powered for 1 year <small>(1 Ton of recycled plastic saves 5,774 Kwh of energy and average home uses 10,399 kWh)</small>	55,533 Homes
Tons of CO2 emissions saved annually <small>(Thats 10,000 flights from New York to Los Angeles)</small>	15,000 Tons

For more information please contact:

Your Local Sales Rep: Sales Rep Map on www.pinnpack.com - or- Customer Service: (805)-385-4100

*Reference Documents Available