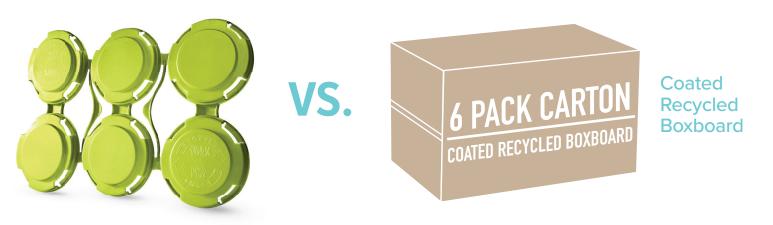
COMPARATIVE ANALYSIS PakTech 6PCE-202-260-PCR vs. Coated Recycled Boxboard

100% Post-Consumer Recycled Resin



The charts below reflect the environmental impact % increase of the boxboard carton.



CLIMATE CHANGE

(kg CO2 eq) – effects from emission of global warming gases

PakTech

Boxboard +8.1%



OZONE DEPLETION

(kg C2H4 eq) – increased potential of photochemical smog events

PakTech

Boxboard +54.1%



CONTAMINATION of FRESH WATER

(kg PO43- eq) - excessive biomass growth and decay in water

WATER RESOURCE DEPLETION

(m3 H20 eq) – amount of water used and the water stress



MINERAL & FOSSIL DEPLETION

(Kg Sb eq) - additional energy required to extract mineral & fossil fuel resources

PakTech

Boxboard +124%

PakTech

Boxboard +19.5%

PakTech

Boxboard +475%



CUMULATIVE ENERGY DEMAND

(MJ LHV) – fossil, renewable, nuclear

PakTech

Boxboard +81.8%



SOLID WASTE to LANDFILL

(kg) - total of all solid waste generated

PakTech

Boxboard +71.3%

In all metrics analyzed, the PakTech Handle outperforms the boxboard carton

PIQET 4.0 Comparative Analysis prepared by Environmental Packaging International, April 2018. PIQET is a streamlined Life Cycle Assessment (LCA) tool used for environmental performance optimization of packaging designs. Charts are based on Life Cycle Impacts, per kg of product, per 1,000 6-Packs