

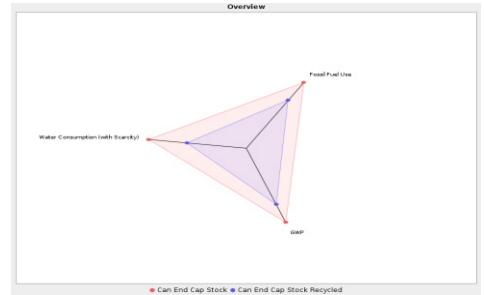
This LCA Compares Can End Cup Stock vs Recycled Can End Cup Stock

Product 1: Can End Cup Stock Color: White Quantity: 30 TRKS (42,000 # Each) (Truckloads)	Product 2: Recycled Can End Cup Stock Color: White Quantity: 30 TRKS (42,000 #) (Truckloads) Each	Report Number: 2023-08-02T083412 Data Version: COMPASS 2023.1 Region: USA
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These sections show the summary and the total impacts for each selected indicators used for the Life Cycle Analysis. Each indicator is composed of the material extraction, manufacturing, transportation, end of life, and use phase impacts. This will allow you to determine which life cycle phase has the greatest impact.

LCA SUMMARY

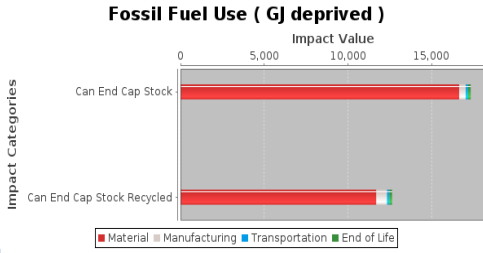
Summary		
Name	Can End Cap Stock	Can End Cap Stock Recycled
Fossil Fuel Use (GJ Deprived)	17,339	12,636
GWP (ton CO2 eq)	1,578	1,198
Water Consumption (with Scarcity) (m3 world-eq)	456,499	276,033



INDICATORS

Fossil Fuel Use (GJ deprived)

This indicator considers the total quantity of fossil fuel consumed throughout the life cycle reported in gigajoules (GJ) equivalents deprived/kg dissipated, which is based on an extraction-consumption-competition-adaptation approach. This indicator uses the Impact World+ method, uses the primary energy content, and assumes fossil resources mainly used for energy purposes. Fossil fuels include coal, petroleum, and natural gas.

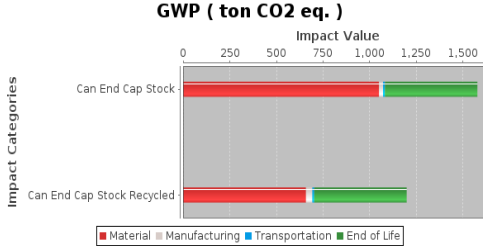


IMPACTS Using Recycled Can End Cup Stock

Barrels of Oil	769
Average Homes Powered Yearly	126

GWP (ton CO2 eq.)

Global Warming Potential (GWP) considers the total quantity of greenhouse gasses (GHG) emitted throughout the life cycle reported in kilograms of CO2 equivalents. This calculation follows the IPCC Sixth Assessment Report (AR6) 2021 100a w/o CO2 Uptake method and considers climate feedback loops. It considers global warming potential for a 100-year timeframe.

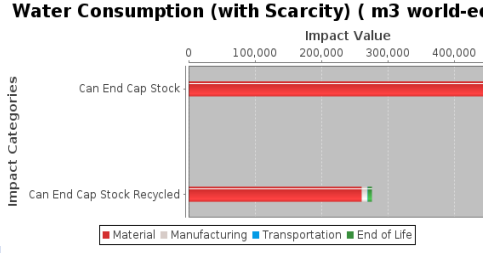


IMPACTS Using Recycled Can End Cup Stock

Passenger Vehicles Driven Yearly	81
Annual Miles Driven by Passenger Vehicles	930,107
Gallons of Gasoline Consumed	42,706
Tree Seedlings Grown for 10 Years	9,834
Acres of Forests Yearly	446

Water Consumption (with Scarcity) (m3 world-eq)

This indicator considers the relative available water remaining per area in a watershed after the demand of humans, aquatic ecosystems, and manufacturing process has been met, compared to the world average. The AWARE method is used to calculate the water scarcity footprint, which looks at the potential to deprive another freshwater user by consuming freshwater in a given region. The water scarcity footprint is the water consumption inventory multiplied by a characterization factor, which is based on the availability and demand of freshwater in a given region. The characterization factors have a range of 0.1 to 100, with higher numbers associated with more water-scarce regions, and are dimensionless (m3 world eq./m3). The water scarcity footprint results are typically reported in m3 world-eq, but may be reported in liters world-eq, if there is a small quantity of water being considered in the analysis by Ecolmpact-COMPASS.



IMPACTS Using Recycled Can End Cup Stock

Gallons of Water 1 cubic meter= 264.2 Gal	47,679,079
Average # of Showers	2,772,125
People Showering Daily for a Year	7,595
Olympic Sized Swimming Pools	72.2

Note: This LCA represents information about INDEVCO Packaging Solutions products only. The COMPASS report uses life cycle inventory (LCI) data that represents an industry average for materials, manufacturing processes, and end of life impacts. The Life Cycle Analysis (LCA) in this report can be used for directional guidance in internal decision making and understanding trade-offs. COMPASS follows the guidelines of ISO 14040 in determining and documenting the scope, assumptions, consistent boundary conditions and data sources. According to ISO 14040, LCA results should not be used to make comparative assertions between competitive products to be disclosed to the public without first conducting a third party critical review.

Ask about our **Carbon Footprint Reduction Program** to help you improve your company's packaging footprint