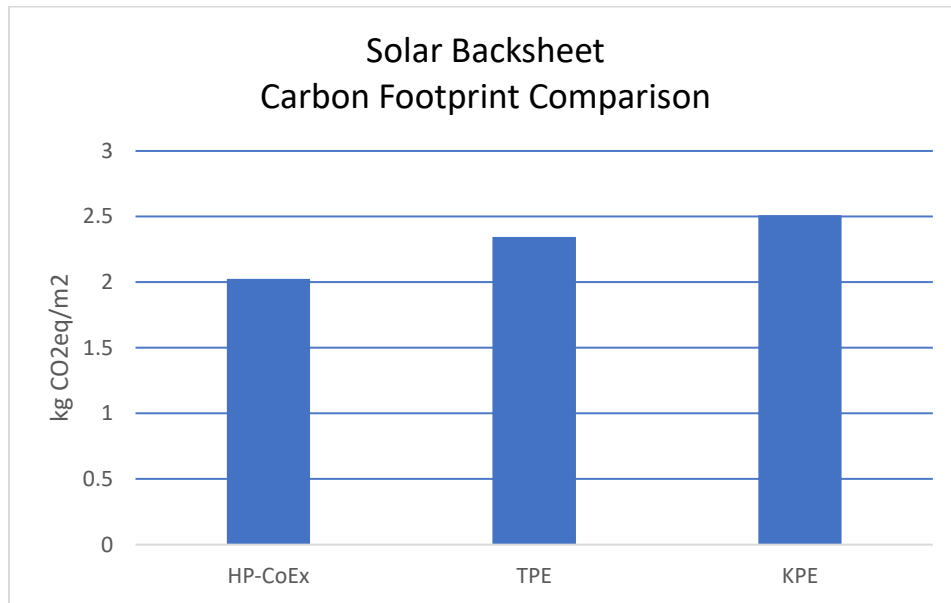


Carbon Footprint of Tomark Worthen's PhotoMark® Reflections PV Backsheet



In an effort to provide information about the environmental impacts of Tomark Worthen's PhotoMark® Reflections PV backsheet, we have estimated the carbon footprint using publicly available data for the raw materials including carbon equivalent factors from sources such as the American Chemical Association, Plastics Europe, and the U.S. EPA's Waste Reduction Model (WARM) and actual energy usage of our processing equipment. By far, the greatest portion of the backsheet's carbon footprint is from the extraction, transportation, and manufacturing of the raw materials that go into the backsheet. While only a small portion of the total, the energy used to process the backsheet at Worthen Industries' Nashua North plant in NH is partially supplied by electricity generated by the facility's rooftop solar array.

Worthen has used the same publicly available raw material data and process energy data from similar processes to estimate the footprints of other backsheets on the market and found that PhotoMark® Reflections' backsheet has a smaller carbon footprint.

We recognize that calculating product-specific carbon footprints is inexact and requires using assumptions, averages, and estimations. As better information becomes available, we will update our calculations.