scoreWISE™
A smarter approach to sustainability scoring

Tool Overview

scoreWISE™ is an assessment tool designed to measure and communicate the performance of products across five important metrics of sustainability. They are:

● **RAW MATERIALS**
Tracks the reduction in mass of the product; this reduction can be achieved by using less material, sourcing lighter-weight materials, or reducing scrap rates.

● **HAZARDOUS MATERIALS**
Number of hazardous or restricted materials in product compared to baseline.

● **CIRCULARITY**
Improvement in end product recyclability, reusability, or lifetime compared to baseline. Additional use of recycled content compared to baseline.

● **CUSTOMER VALUE CREATION**
Tracks durability, functionality, and processability.

● **CARBON FOOTPRINT**
Reduction in embodied energy and carbon equivalencies in product compared to baseline.

Performance is reported in both graphic and table formats to provide results both visually and numerically. This is ideal for communicating sustainability performance at internal company meetings and with customers.

With scoreWISE, product development and management teams can easily measure product sustainability versus a baseline. From product development to comparing production line performance, scoreWISE provides a roadmap to introducing sustainable thinking early in the development process when it can have the most impact.

scoreWISE in Action

GOAL

Aurora Material Solutions used the scoreWISE tool to compare the manufacturing efficiency of a 100% recycled rigid PVC product line with that of standard rigid PVC products.

The new AuroraEcoplast™ 7000 series product line, made from 100% recycled PVC, is sold in pellet form. The Aurora team used scoreWISE to analyze the product's energy consumption, virgin raw materials, and carbon footprint compared to other prime rigid PVC products.

▶ **Aurora Material Solutions found that the tool provided a valuable overview of newly developed products and their impact compared to legacy products.**

At first glance, the scoreWISE tool appears daunting and complex. However, the tool shows its value once you collect your data and fill in the cells for each applicable category. The scorecard's customization allows you to select and use only the categories that apply to the study being conducted.

Findings

⬇ 100% decrease in virgin raw materials

⬆ 100% increase in product circularity

⬇ 35% decrease in energy usage

"The scoreWISE™ tool displays improvements, or the lack thereof when comparing new sustainable products and processes with proven, commercialized ones. Once the base data is collected, customizing the tool and inputting the necessary data into the scoreWISE template only requires a few hours. The result shows the information in a way that is easy to understand and share at any level of the organization to obtain feedback for improvement at every level."

- Cory Baker, R&D Chemist - Rigid PVC