

DOW ECOLIBRIUM™

Bio-Based Plasticizers



AN OVERVIEW

What is a plasticizer? How do DOW ECOLIBRIUM Bio-Based Plasticizers differ from traditional plasticizers?

Plasticizers give vinyls their pliability, or unique ability to bend and flex without cracking, breaking or holding memory. They are a key component of vinyl roller shade fabrics, lending them the flexibility to be lowered and raised repeatedly with ease.

Fabrics made with DOW ECOLIBRIUM Bio-Based Plasticizers offer a renewable, plant-based alternative to those made with traditional petroleum-based plasticizers.

Which Phifer products contain ECOLIBRIUM?

Phifer's SheerWeave Styles 4400, 4000 and 4100 Fabrics are constructed with DOW ECOLIBRIUM plasticizers for an eco-friendly shading solution that offers responsible light management and energy

savings. This unique green technology is exclusive to Phifer for the window treatment industry.

What is the environmental impact of using fabrics made with ECOLIBRIUM?

DOW ECOLIBRIUM Bio-Based Plasticizers reduce the negative environmental impact of traditional vinyls in significant ways. First, these sustainable plasticizers are made from 98% renewable feedstock and feature a unique phthalate-free, plant-based composition. These compounds provide a lower carbon footprint and can be recycled in a standard vinyl stream.

DOW ECOLIBRIUM Plasticizers also reduce greenhouse gases by 40 percent versus traditional plasticizers. For example, the use of ECOLIBRIUM in Style 4400 means up to 46lbs of CO₂ greenhouse gas emissions are avoided, and 2.4 gallons of petroleum are saved for every 100 square yards of fabric.

Phifer offers a handy online Petroleum Savings & CO₂ Greenhouse Gas Avoidance

calculator tool for Sheerweave Style 4000 Fabrics. Simply input the total area of square yards, feet or meters of glass to be covered with bio-based shade fabric in your specific project and the calculator will compute the petroleum savings and avoidance of greenhouse gas emissions achieved.

ECOLIBRIUM is RoHS compliant, and Style 4000 shade fabrics made with this sustainable plasticizer may be eligible for LEED credits for rapidly renewable content.

What performance benefits do I get with SheerWeave fabrics made with ECOLIBRIUM?

SheerWeave fabrics made with DOW ECOLIBRIUM show performance improvement in the areas of heat stability, flame retardant optimization and odor. These fabrics continue to maintain all of the established benefits of traditional vinyl such as durability and strength, cleanability, fabric longevity, low VOC emission levels, and abrasion and UV resistance.

