



News Release

Calculate energy efficiency of security window designs quickly with recent Makrolon® Polycarbonate Sheet data base listing

Sheffield, August 23, 2010 –Sheffield Plastics A Bayer MaterialScience LLC Business has made it easier to determine the energy efficiency of different window system designs that use its break-resistant Makrolon polycarbonate sheet products.

The Bayer MaterialScience business recently established listings for its Makrolon glazing products in the International Glazing Data Base (IGDB). This information is used to calculate the energy efficiency and optical performance of various window system designs and materials using the Lawrence Berkeley National Lab software, WINDOW.

According to Dr. Ted Trautman, Sheffield's Technology Manager, "Sheffield has developed major improvements in polycarbonate sheet performance in recent years. Advances include a range of explosion-resistant products and a glazing grade backed by a 15-year warranty against failure. These innovations have led to increased applications in glazing systems subject to severe threats, vandalism and theft."

"There is a growing need to understand and improve energy efficiency of all window systems, and security applications are no exception. We secured the IGDB listings to support window designers and architects in this regard, and we continue to work on technology for new products that enhance both energy and security performance," he added.

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New IGDB listing facilitates energy efficiency calculations for Makrolon® polycarbonate sheet in security glazing

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