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## Altuglas International re-introduces Plexiglas® MC Diffusion family of acrylic sheets designed for optimum diffusion of LED light sources

**Lighting trends show increasing demand for and use of LED light sources. With continued LED lighting innovations the ability to diffuse light without compromising overall light transmission has become critical, especially for indoor lighting. To address this market need, Altuglas International, a division of Arkema Group, introduces a family of acrylic sheet, Plexiglas® MC Diffusion, designed to provide LED luminaire OEMs and optics suppliers with excellent light diffusion performance, along with exceptional light transmission.**

Plexiglas® MC Diffusion acrylic sheet is available in two grades. Plexiglas® MC Diffusion 100 acrylic sheet offers a smoother sheet surface while Plexiglas® MC Diffusion 200 acrylic sheet has a textured surface.

Plexiglas® MC Diffusion 100 acrylic sheet provides 87 percent light transmission; Plexiglas® MC Diffusion 200 acrylic sheet provides 84 percent light transmission. Both grades provide a greater than 95 percent haze to allow for excellent light source hiding capability. The diffusion quality is what makes the sheets exceptional choices for many light source applications. The uniform light distribution softens LED light hotspots and offers the flexibility to place lenses in close proximity to the light source while still diffusing light uniformly.

Plexiglas® MC Diffusion sheets, like all standard Plexiglas® sheet offerings, exhibit all the fabrication attributes that customers have come to expect. Designing with both grades is easily achieved.

This versatile material can be used in lighting applications for commercial, industrial, residential and professional uses. Besides the typical lighting applications, Plexiglas® MC Diffusion acrylic sheets can be used in a wide variety of applications such as skylights, POP displays, store fixtures, signage, and decorative furnishings.

Sheet features include:

- Excellent diffusion characteristics
- Exceptional light transmission
- Lightweight - half the weight of glass
- Easily fabricated and thermoformed

Sheet offerings include:

- Standard thicknesses of 0.080" and 0.118"
- Standard sheet sizes
- Customized sizes available upon request

For additional information on Plexiglas® MC Diffusion acrylic sheet, visit [www.plexiglas.com](http://www.plexiglas.com).

### **About Altuglas International**

Altuglas International, a business unit of Arkema Inc., is a global leader in PMMA (polymethylmethacrylate), manufacturing approximately 20% of the world's PMMA. Altuglas International

employs 1,300 professionals and operates nine production facilities in six countries. It markets its acrylic resins and sheet under the Plexiglas® brand in the Americas and the Altuglas® brand in Asia, Europe, Africa and the Middle East. It also offers acrylic sheets and blocks under the Oroglas™ brand in Asia, Europe, Africa and the Middle East.

Worldwide, Altuglas International markets capstock under the Solarkote® brand.

[www.altuglasint.com](http://www.altuglasint.com)

### **About Arkema**

*A global chemical company and France's leading chemicals producer, **Arkema** is building the future of the chemical industry every day. Deploying a responsible, innovation-based approach, we produce state-of-the-art specialty chemicals that provide customers with practical solutions to such challenges as climate change, access to drinking water, the future of energy, fossil fuel preservation and the need for lighter materials. With operations in nearly 50 countries, about 19,000 employees, and research centers in North America, France and Asia, Arkema generates pro forma annual revenue of €7.6 billion (\$9.5 billion USD), and holds leadership positions in all its markets with a portfolio of internationally recognized brands.*

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