

PLEXIGLAS® SHEET: Weathering

ACRYLIC SHEET

WEATHERABILITY OF PLEXIGLAS SHEET

Plexiglas G (including UF-3 and P95), Plexiglas MC (including UF-5) and Plexiglas Impact Family acrylic sheet products have a proven ability to withstand the effects of weather, sun, and a wide range of temperatures in outdoor use. This permanence derives from the acrylic resin's inherent stability. A large number of clear samples, after more than 10 years' outdoor exposure in Pennsylvania, show an average of more than 90% light transmission, which represents a loss of only 2%. Inspection reveals that very few test samples exhibit any obvious damage due to weathering.

In other tests, samples of colorless Plexiglas G sheet exposed outdoors in Arizona, Florida, and Pennsylvania for 20 years or more show no significant discoloration, crazing, surface dulling, loss of light transmission, or development of haze or turbidity. Although these samples were Plexiglas G sheet, ongoing weathering studies have shown Plexiglas MC sheet to behave in a similar manner.

In these tests the samples were mounted on outdoor racks at a 45-degree angle facing south. Angling the racks in this manner increases the rigors of exposure significantly. Actual outdoor applications ordinarily involve less severe conditions.

The statements, technical information and recommendations obtained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Altuglas International/Arkema expressly disclaims any and all liability. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OR MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN.

The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein should be construed as an inducement to infringe any patent, and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See MSDS for Health & Safety Considerations. Altuglas® and Plexiglas® are registered trademarks of Arkema. ©2013 Arkema Inc. All rights reserved. Rev. 5/13

800 523-7500

plexiglas.com

ALTUGLAS
INTERNATIONAL
ARKEMA GROUP

PLEXIGLAS®
BY ARKEMA