



Makrolon®

Polycarbonate Sheet Products for Face Shields



Makrolon® IR



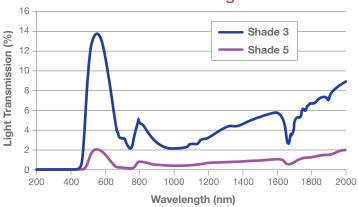
Bayer MaterialScience has a long history of supplying quality products to the face shield industry. Continued commitment to research and product development has led to Makrolon® IR. The innovative IR blocking technology exhibits higher temperature stability, allowing for formulation into extrusion grade polycarbonate. This material science breakthrough avoids the thermal stability issues associated with ordinary IR absorbing dyes. The result is a product that consistently meets the light transmission specification requirements – with the high quality optical performance product that you expect from Bayer.



Meeting Shade 3 and Shade 5 standards for maximum safety.

The high temperatures of flame welding and cutting emit a range of visible, UV and IR light that can damage your eyes when that light is too bright. A green tint alone in any material does not indicate compliance. Bayer MaterialScience recommends only Makrolon® IR where Shade 3 and Shade 5 standards apply.

ANSI Z87.1 Testing Results

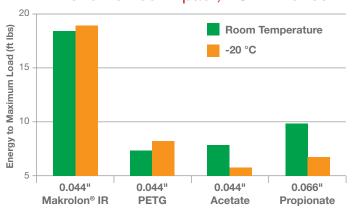


Shade 3 and Shade 5 of Makrolon® IR polycarbonate meet the ANSI Z87.1, EN 169, and CSA Z94.3 light transmission requirements for flame welding applications.

Superior impact performance for maximum peace of mind.

The high molecular weight of Makrolon® IR extrusion grade polycarbonate yields high impact strength and high toughness at a wide temperature range. Makrolon® IR polycarbonate also meets high mass, high velocity and needle penetration requirements in standard face shield designs.

Instrumented Impact, ASTM D3763

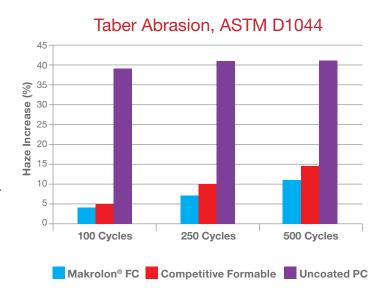


Extend your face shield offerings with Makrolon® polycarbonate technologies.

Makrolon® FC

Abrasion resistance for your face shield.

Makrolon® FC adds a formidable abrasion resistant coating to prolong face shield life. Compared to an uncoated sheet, it is far more resistant to marring from cleaning, abrasion from grit, and grinding debris. And, unlike some hard coated materials, Makrolon® FC can be formed to typical face shield curvatures.



Makrolon® OP

The optical performance that increases job performance.

Makrolon® OP has consistently lower distortion and fewer optical defects compared to general purpose polycarbonate sheet. High visual quality combined with the outstanding impact resistance of polycarbonate makes it an excellent choice for your face shield applications.



For complete information on Makrolon® face shield products, call 800.254.1707 or visit our website www.sheffieldplastics.com

• Code compliance listings • Product information • Fabrication and forming guide

Bayer MaterialScience



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- * Code compliance and UL listings
- * Product information
- * Fabrication and forming guide

Bayer MaterialScience is one of the leading manufacturers of high-quality polycarbonate products for a global marketplace. Behind the technologically sophisticated solutions you'll find the expertise of the global Bayer network, which specializes in the fields of health, nutrition and high-quality materials. Customer focus, innovation and environmental protection are objectives of equal importance in our corporate policy.



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info@sheffieldplastics.com www.sheffieldplastics.com The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.