

Specialty Film & Sheet



Yellow is nice for a lemon
but not for your glazing!

Superior resistance to outdoor weathering

Lexan Thermoclear Plus sheet has 2 sides proprietary UV-protected surface, giving superior resistance to outdoor weathering. The unique protection helps to provide long-term optical quality under intensive sunlight exposure, and maintains the superior toughness of the polycarbonate material in comparison to other thermoplastic glazing.

According to accelerated 4,000 hours weathering tests (figure 1) (DIN53387 / ASTM G26) that have been carried out at SABIC Innovative Plastics laboratories, Lexan Thermoclear sheet is superior to other available polycarbonate multiwall glazing products. This test is comparable to 10 years outdoor exposure in moderate climate conditions.

Lexan Thermoclear offers a ten year limited written warranty against discoloration, loss of light transmission and loss of impact strength due to weathering.

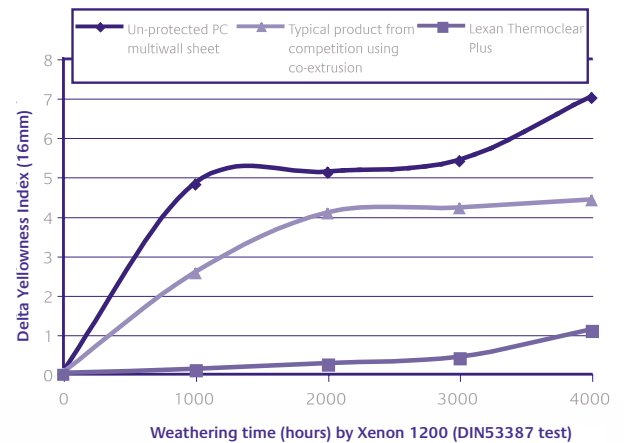


Figure 1 Yellowness Index through weathering

The samples presented here show three polycarbonate multiwall sheet samples displaying 3 levels of Yellowness Index.

Sample 1

Yellowness Index of 0Δ .
reference sample = original value

Sample 2

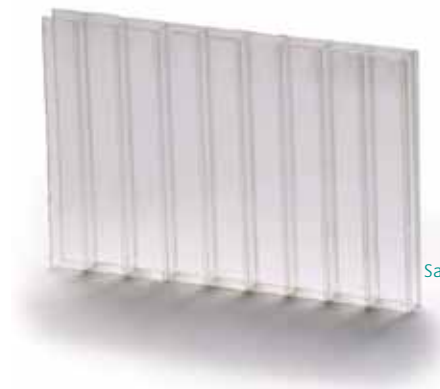
Yellowness Index of 2Δ .
compared to the original value

Sample 3

Yellowness Index of 10Δ .
compared to the original value

Yellowness Index measurement is performed according to ASTM D1925 (1977) test. The limited written warranty states that Lexan Thermoclear Plus sheets (in a clear color) will not display a change in Yellowness Index of more than 2Δ (sample 2) compared with their original value (sample 1), whereas most of other PC multiwall sheet producers warrant that their sheets will not display a change in Yellowness Index of more than 10Δ (sample 3).

Please consult your local distributor or SABIC Innovative Plastics business Sales Office for more details.



Sample 1 $\Delta Y_i = 0$



Sample 2 $\Delta Y_i = 2$ Lexan* Thermoclear* Plus sheet warranty



Sample 3 $\Delta Y_i = 10$ Typical Multiwall PC sheet warranty

Distributed by



Call: 1 (866) 437-7427
Email: info@polymershapes.com
www.polymershapes.com



THE MATERIALS, PRODUCTS AND SERVICES OF SABIC INNOVATIVE PLASTICS HOLDING BV, ITS SUBSIDIARIES AND AFFILIATES ("SELLER"), ARE SOLD SUBJECT TO SELLER'S STANDARD CONDITIONS OF SALE, WHICH CAN BE FOUND AT [HTTP://WWW.SABIC-IP.COM](http://www.sabic-ip.com) AND ARE AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION OR RECOMMENDATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SELLER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (I) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (II) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING SELLER'S PRODUCTS, SERVICES OR RECOMMENDATIONS. EXCEPT AS PROVIDED IN SELLER'S STANDARD CONDITIONS OF SALE, SELLER SHALL NOT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS PRODUCTS OR SERVICES DESCRIBED HEREIN. Each user is responsible for making its own determination as to the suitability of Seller's products, services or recommendations for the user's particular use through appropriate end-use testing and analysis. Nothing in any document or oral statement shall be deemed to alter or waive any provision of Seller's Standard Conditions of Sale or this Disclaimer, unless it is specifically agreed to in a writing signed by Seller. No statement by Seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Seller or as a recommendation for the use of such product, service or design in a manner that infringes any patent or other intellectual property right.

SABIC Innovative Plastics is a trademark of SABIC Holding Europe BV
* Lexan and Thermoclear are trademarks of SABIC Innovative Plastics IP BV
© 2008 SABIC Innovative Plastics IP BV. All Rights Reserved