

Lexan* Thermoclear* Sheet



A new range of energy saving glazing products

Lexan* Thermoclear* 10 mm 5-wall Sheet
Lexan* Thermoclear* 16 mm 7-wall Sheet



New Energy Saving Lexan* Thermoclear* Sheet Products

Energy savings on heating and cooling are nowadays key requirements in the building and construction industry. That's why SABIC Innovative Plastics introduces a patented family of energy saving Lexan Thermoclear polycarbonate sheet products for flat and curved glazing applications.

The typical structure of these products, with various walls and air gaps, gives excellent thermal insulation properties. Because of their low U-value, Lexan Thermoclear 10 mm 5-wall and Lexan Thermoclear 16 mm 7-wall sheets can offer significant savings on heating costs.

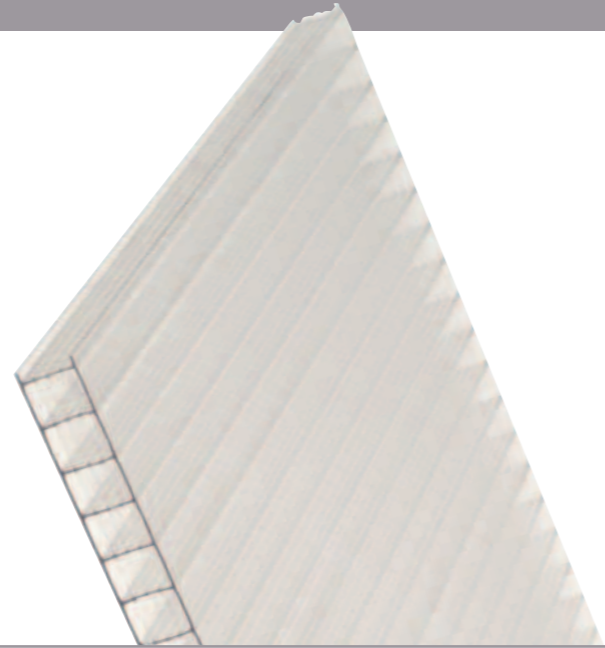


Both products are also available in a Solar Control IR version. Instead of being translucent or opaque as many other competitive products, the Lexan Thermoclear Solar Control IR sheets are transparent with a light green, blue or grey tint, which can block near-infrared heat but lets in high levels of light. This means that Lexan Thermoclear SC IR 10 mm 5-wall and Lexan Thermoclear SC IR 16 mm 7-wall can offer energy savings on both heating and cooling.

Excellent Thermal Insulation Properties

Lexan* Thermoclear* 10 mm 5-wall Sheet (Grade LT2UV105R175)

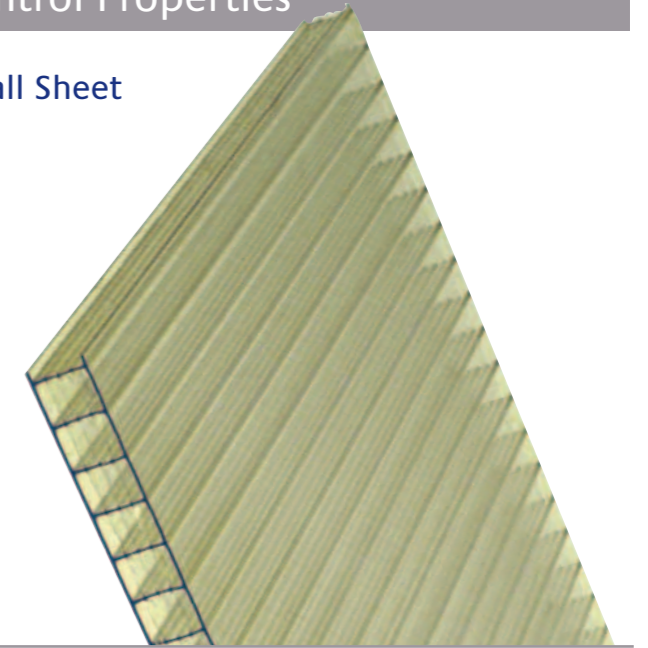
- Patented Multiwall sheet
- Multiwall sheet 10 mm 5-wall structure
- Weight 1.75 kg/m²
- U-value 2.3 W/m² K
- Two sides UV protected
- Min. bending radius 1750 mm
- 10 years limited written warranty against;
 - Light transmission loss max. 2%
 - YI change max. 2Δ on transparent color
 - Hail damage
 (see warranty for exact details)



Excellent Thermal Insulation + Solar Control Properties

Lexan* Thermoclear* Solar Control IR 10 mm 5-wall Sheet (Grade 2UVIR105R175)

- Patented Multiwall sheet
- Multiwall sheet 10 mm 5-wall structure
- Weight 1.75 kg/m²
- U-value 2.3 W/m² K
- Light transmission 48%
- Direct Solar transmission 34%
- Solar Heat Gain Coefficient 0.48
- Light to Solar Gain ratio 1.08
- Two sides UV protected
- 10 years limited written warranty against;
 - Light transmission loss max. 4%
 - YI change max. 4Δ
 - Hail damage
 (see warranty for exact details)



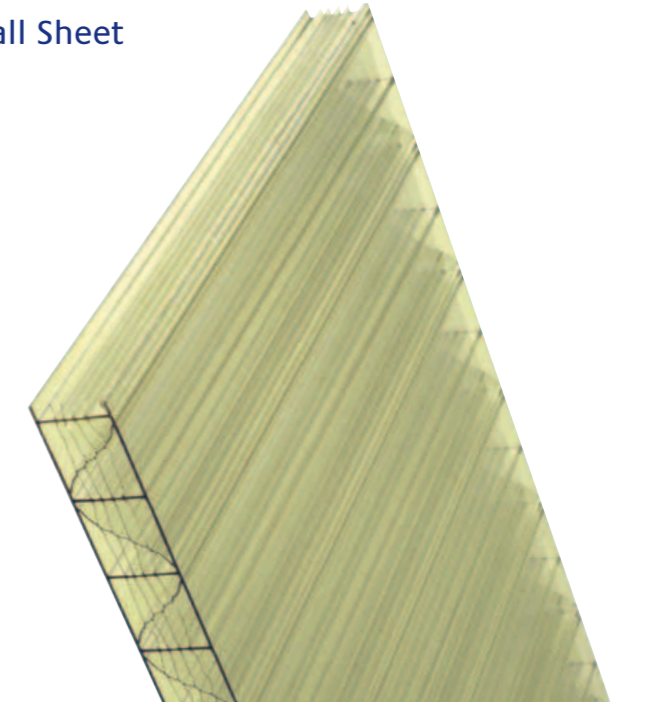
Lexan* Thermoclear* 16 mm 7-wall Sheet (Grade LT2UV166RS27)

- Multiwall sheet 16 mm 7-wall structure
- Weight 2.70 kg/m²
- U-value 1.87 W/m² K
- Two sides UV protected
- Min. bending radius 2800 mm
- 10 years limited written warranty against;
 - Light transmission loss max. 2%
 - YI change max. 2Δ on transparent color
 - Hail damage
 (see warranty for exact details)



Lexan* Thermoclear* Solar Control IR 16 mm 7-wall Sheet (Grade 2UVIR166R27)

- Multiwall sheet 16 mm 7-wall structure
- Weight 2.70 kg/m²
- U-value 1.87 W/m² K
- Light transmission 42%
- Direct Solar transmission 29%
- Solar Heat Gain Coefficient 0.45
- Light to Solar Gain ratio 0.94
- Two sides UV protected
- 10 years limited written warranty against;
 - Light transmission loss max. 4%
 - YI change max. 4Δ
 - Hail damage
 (see warranty for exact details)



Contact us

Americas:

SABIC Innovative Plastics
Specialty Film & Sheet
One Plastics Avenue
Pittsfield, MA 01201
USA
T +1 413 448 5400
F +1 413 448 7506
Toll Free 800-451-3147

Europe:

SABIC Innovative Plastics
Specialty Film & Sheet
Plasticslaan 1
4612 PX Bergen op Zoom
The Netherlands
T +31 164 292911
F +31 164 292940

Pacific:

SABIC Innovative Plastics
Specialty Film & Sheet
1468 Nanjing Road (W)
26th Floor, United Plaza
200040 Shanghai
China
T +86 21 3222 4500
F +86 21 6289 8998

email: sfs.info@sabic-ip.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> 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 B.V.

* Trademark of SABIC Innovative Plastics IP B.V.

©2008 SABIC Holding Europe B.V.
All Rights Reserved