

# Machine Guard Glazing

## Lexan\* Margard\* coated sheet

Helping to improve safety in the working environment and thereby reducing the number of industrial accidents, Lexan Margard sheet is an excellent candidate for glazing in operator windows and for machine glazing applications.

### High impact resistance

Lexan Margard sheet offers extremely high impact resistance which does not vary significantly, even at temperatures as low as  $-40^{\circ}\text{C}$  and up to  $+120^{\circ}\text{C}$ .

### High resistance to abrasion

Lexan Margard sheet is hard coated to protect against surface scratching and to maintain clarity in applications where frequent contact and cleaning are likely.

### High resistance to chemicals

Lexan Margard sheet offers high resistance to a wide range of critical chemicals, including cooling fluids, with virtually no degradation of the material and no loss in impact properties.

### Versatile

Lexan Margard sheet is easy to install and fit to your requirements using conventional drilling or cutting techniques.

### Excellent optical clarity

With transparency comparable with glass, Lexan Margard sheet provides an extremely clear view of the work piece.

### Installation options

#### For operator windows:

Where the highest protection is demanded, Lexan Margard sheet is recommended in combination with glass.

#### For machine glazing:

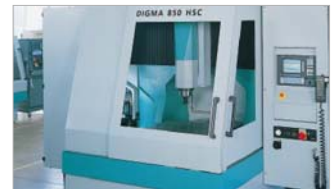
Single layer Lexan Margard sheet gives high protection and long life performance.

### Comprehensive warranty

Lexan Margard sheet carries a ten year limited written warranty on impact strength.

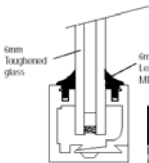
### Available product grades are:

MR10 , MRT , MR5E , MRA3, MRX

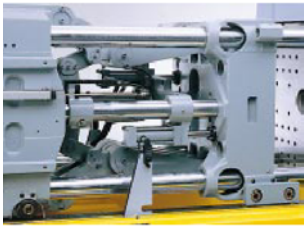


# Lexan\* Margard\* sheet in combination with glass for operator windows

Lexan Margard sheet is double glazed incorporating a 6mm airspace and 6mm thick toughened glass on the attack face.



Material Grade	Thickness (mm)	Classification								
		A1	A2	A3	B1	B2	B3	C1	C2	C3
Mass of projectile		.625kg	.625kg	.625kg	1.25kg	1.25kg	1.25kg	2.5kg	2.5kg	2.5kg
Impact in J		320	781	2000	1562	2480	4000	3124	4960	8000
Lexan Margard	6	Pass			Pass					
"	8	Pass	Pass		Pass	Pass				
"	9.5	Pass	Pass	Pass	Pass	Pass		Pass		
"	12	Pass	Pass	Pass	Pass	Pass		Pass	Pass	



## Lexan Margard sheet for machine glazing

Material Grade	Thickness (mm)	Classification								
		A1	A2	A3	B1	B2	B3	C1	C2	C3
Mass of projectile		.625kg	.625kg	.625kg	1.25kg	1.25kg	1.25kg	2.5kg	2.5kg	2.5kg
Impact in J		320	781	2000	1562	2480	4000	3124	4960	8000
Lexan Margard	6	Pass			Pass					
"	8	Pass	Pass		Pass	Pass		Pass		
"	9.5	Pass	Pass	Pass	Pass	Pass		Pass	Pass	
"	12	Pass	Pass	Pass	Pass	Pass		Pass	Pass	

Lexan Margard sheet tested according to prEN12415, Machine Tools - Safety - Small numerically controlled turning machines and turning centers.



## Contact us

### Americas Headquarters

SABIC Innovative Plastics  
One Plastics Avenue  
Pittsfield, MA 01201  
USA  
T 413 448 7110  
F 413 448 5573

### Email

Sfs.info@sabic-ip.com

### European Headquarters

SABIC Innovative Plastics  
Plasticslaan 1  
4600 AC  
Bergen op Zoom  
The Netherlands  
T +31 164 292911  
F +31 164 292940

### Pacific Headquarters

SABIC Innovative Plastics  
1266 Nanjing Road (W)  
16th Floor, Plaza 66  
200040 Shanghai, China  
T +86 21 6288 1088  
F +86 21 6288 0818



\* trademark of SABIC Innovative Plastics IP BV

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 BV

\* Trademarks of SABIC Innovative Plastics IP BV

© Copyright 2008. All rights reserved.

[www.sabic-ip.com](http://www.sabic-ip.com)