

## Description

Lexan\* SL2030 is a UV-stabilized, transparent, polycarbonate sheet. The grade is specifically developed for the eye protection industry. In addition to excellent optical performance, it offers outstanding impact resistance, good stiffness and strength and ease of processing. Typical applications are: motor helmet visors, industrial visors and goggles, sport goggles, police helmet visors and sunglasses.

## Typical Property Values ♦

Property	Test Method	Unit	Value ¥)
<b>Physical</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1.20
Water absorption, 24 hours equilibrium	ISO 62	%	0.15
		%	0.35
<b>Optical</b>			
Light transmission	ASTM D 1003	%	89.5
<b>Mechanical</b>			
Tensile stress, yield	ISO 527	MPa	60
Tensile modulus	ISO 527	MPa	2300
Elongation, yield	ISO 527	%	7
Elongation, break	ISO 527	%	110
Flexural strength, yield	ISO 178	MPa	100
Flexural modulus	ISO 178	MPa	2500
Izod notched Impact, 20 °C -30 °C	ISO 180-1A	KJ/m <sup>2</sup>	65
		KJ/m <sup>2</sup>	10
Gardner impact, 20 °C -20 °C	SABIC Method	J	>37
		J	>37
<b>Thermal</b>			
Vicat Softening Temp., Rate B/120	ISO 306	°C	145
Mold shrinkage	ISO 527	%	0.5-0.7
HDT, 0.45 MPa	ISO 75 /Be	°C	138
Thermal expansion	ASTM D696	1/°C	7x10 <sup>-5</sup>

♦ These property values have been derived from Lexan\* resin data for the material used to produce this sheet product.

¥) Typical values only. Variations within normal tolerances are possible for the various textures.

\* Trademarks of SABIC Innovative Plastics IP BV

## Chemical Resistance

Lexan SL2030 sheet has sufficient resistance to most mineral oils, greases, aliphatic hydrocarbons and acids under low or moderate stress levels. In applications where it will come into contact with these or other aggressive chemicals, specific (application related) testing of the material is strongly recommended.

## Product Availability

Texture	Gauges (mm)	Color
Polished/polished	0.75	several (transparent)
	1.00	
	1.50	
	2.00	
	3.00	
	4.00	



\* Trademark of SABIC Innovative Plastics IP BV

Americas:  
SABIC Innovative Plastics  
Specialty Film & Sheet  
One Plastics Avenue  
Pittsfield, MA 01201  
USA  
Tel. (1) (413) 448 5400  
Fax. (1) (413) 448 7506  
Toll free: 1-800 451 3147

Europe:  
SABIC Innovative Plastics  
Specialty Film & Sheet  
Plasticslaan 1  
NL - 4612 PX Bergen op Zoom  
The Netherlands  
Tel. (31) (164) 292911  
Fax. (31) (164) 293272

Pacific:  
SABIC Innovative Plastics  
Specialty Film & Sheet  
1266 Nanjin Road (W)  
Plaza 66, 17<sup>th</sup> Floor  
200040 Shanghai, China  
Tel. (86) 21 62881088  
Fax. (86) 21 62880818

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

\* Trademark of SABIC Innovative Plastics IP B