



PRODUCT DATASHEET

LEXAN™ 9030 AND 9030TG*

LEXANTM 9030 sheet is the standard general purpose LEXAN sheet. LEXAN 9030 sheet combines high impact and temperature resistance with optical clarity and can be utilized for secondary glazing behind existing glazing for economical protection against breakage or intrusion. LEXAN 9030 sheet can be cut, sawn, drilled and milled by using standard workshop equipment and is therefore an excellent candidate for fabricating a wide range of indoor applications such as machine guards. LEXAN 9030 sheet can be easily thermoformed into complex parts while retaining its excellent properties necessary for demanding applications. LEXAN 9030 sheet may be decorated using a wide variety of modern techniques such as painting and screen printing.

Physical

Property	Test Method	Units	Value
Density	ISO 1183	g/cm ³	1,20
Water absorption, 50% RH, 23 °C	ISO 62	%	0,15
Water absorption, saturation, 23°C	ISO 62	%	0,35

Mechanical

Property	Test Method	Units	Value
Yield stress 50 mm/min	ISO 527	MPa	>60
Yield strain 50 mm/min	ISO 527	%	6
Nominal strain at break 50 mm/min	ISO 527	%	>100
Tensile modulus 1 mm/min	ISO 527	MPa	2300
Flexural strength 2 mm/min	ISO 178	MPa	90
Flexural modulus 2 mm/min	ISO 178	MPa	2300

Impact

Property	Test Method	Units	Value
Charpy impact, notched 23°C, 3.0 mm	ISO 179/1eA	kJ/m ²	75
Izod impact, unnotched 23°C, 3.0 mm	ISO 180/1U	kJ/m ²	NB
Izod impact, notched 23°C, 3.0 mm	ISO 180/1A	kJ/m ²	70



PRODUCT DATASHEET

LEXAN™ 9030 AND 9030TG*

Thermal

Property	Test Method	Units	Value
Vicat Softening Temperature, rate B/120	ISO 306	°C	145
Temperature of deflection under load (type A), 1.8 MPa, flat	ISO 75-2	°C	127
Thermal conductivity	ISO 8302	W/m. °C	0,2
Coefficient of linear thermal expansion, 23-55°C	ISO 11359-2	1/°C	7x10 ⁻⁵
Ball pressure test 125 ±2°C	IEC 60695-10-2	-	Pass
Relative Thermal Index, Electrical properties	UL746B	°C	130
Relative Thermal Index, Mechanical properties with impact	UL746B	°C	125
Relative Thermal Index, Mechanical properties without impact	UL746B	°C	125

Electrical

Property	Test Method	Units	Value
Volume resistivity	IEC 60093	Ohm, cm	>10 ¹⁵
Dielectric strength, in oil, 3.2 mm	IEC 60243-1	kV/mm	18

Fire Ratings

Property	Test Method	Units	Value
Building & Construction			
Europe	EN13501-1	-	b,s1,d0 (2-6mm)
Electrical			
Horizontal burn	UL94HB	-	HB (0.75-6mm)



PRODUCT DATASHEET

LEXAN™ 9030 AND 9030TG

*These property values have been derived from LEXAN™ resin data for the material used to produce this sheet product. Variation within normal tolerances are possible for various colors. These typical values are not intended for specification purposes. If minimum certifiable properties are required please contact your local SABIC, Specialty Film & Sheet representative. All values are measured at least after 48 hours storage at 23°C/50% relative humidity. All properties are measured on injection molded samples. All samples are prepared according ISO 294.

™ = Trademark of SABIC

LIGHT TRANSMISSION

Transparent LEXAN 9030 sheet have excellent light transmission, dependent of thickness between 84 - 87%.

FIRE PERFORMANCE

LEXAN™ 9030 sheet has good fire behaviour characteristics. LEXAN sheet does not contribute significantly to the spread of fire or to the generation of toxic gases. For details, please contact your local sales office.

PRODUCT AVAILABILITY**

LEXAN™ 9030TG sheet:

Standard Sizes	Masking	Standard Colors
Thin gauge in mm	0.75-1-1.5	
1250x2050	Top side: Coex opal white PE dark blue print	transparent code 112 and bronze code 5109
Bottom Side:	Coex transparent PE	

LEXAN™ 9030 sheet:

Standard gauge in mm	2-3-4-5-6-8-9,5-12-15	
1250x2050		
2050x3050	Top Side: Coex opal white PE dark blue print	transparent code 112 and bronze coe 5109, opal white WH4D3480 and WH6D060X (opal white max 8mm)
Bottom Side:	Coex transparent PE	

**LEXAN™ 9030 sheet can be supplied by prior arrangements in non-standard widths, lengths and color. Such arrangements may affect prices, terms and/or other conditions of sales and are subject to minimum order quantities.

CONTACT US:

Middle East and Africa
SABIC Global Headquarters
PO Box 5101
Ryadh 11422
Saudi Arabia
T +966 (0) 1 225 8000
F +966 (0) 1 225 9000
E info@sabic.com

Americas
Functional Forms
2500 City West Boulevard
Suite 100
Houston, TX 77042
USA
Toll-free (800) 323 3783
F (888) 443 2033
E spinside.sales@sabic.com

Europe
Functional Forms
Plasticslaan 1
4612 PX
Bergen op Zoom
The Netherlands
T +31 (0)154 293678
F +31 (0)164 293272
E sfs.info@sabic.com

Asia Pacific
Functional Forms
2550 Xiupu Road
Pudong
201319 Shanghai
China
T +86 21 2037 8188
F +86 21 2037 8288
E sfs.info@sabic.com

DISCLAIMER: THE MATERIALS, PRODUCTS, AND SERVICES OF SAUDI BASIC INDUSTRIES CORPORATION (SABIC) OR ITS SUBSIDIARIES OR AFFILIATES („SELLER“) ARE SOLD SUBJECT TO SELLER’S STANDARD CONDITIONS OF SALE, WHICH ARE AVAILABLE UPON REQUEST, INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS DOCUMENT ARE GIVEN IN GOOD FAITH. HOWEVER, SELLER MAKES NO EXPRESS OR IMPLIED REPRESENTATION, WARRANTY OR GUARANTEE (I) THAT ANY RESULTS DESCRIBED IN THIS DOCUMENT WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (II) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN OR APPLICATION INCORPORATING SELLER’S MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS. UNLESS OTHERWISE PROVIDED IN SELLER’S STANDARD CONDITIONS OF SALE, SELLER SHALL NOT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS DESCRIBED IN THIS DOCUMENT. Each user is responsible for making its own determination as to the suitability of Seller’s materials, products, services or recommendations for the user’s particular use through appropriate end-use and other 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. Statements by Seller concerning a possible use of any material, product, service or design do not, are not intended to, and should not be construed to grant any licence under any patent or other intellectual property right of Seller or as a recommendation for the use of any material, product, service or design in a manner that infringes any patent or other intellectual property right.

SABIC and brands marked with™ are trademarks of SABIC or its subsidiaries or affiliates. © 2018 Saudi Basic Industries Corporation (SABIC). All Rights Reserved. Any Brands, products or services of other companies referenced in this document are the trademarks, service marks and/or trade names of their respective holders.