

LEXAN™ 9030 AND 9030TG SHEET

PRODUCT DATASHEET

DESCRIPTION

LEXAN™ 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.

TYPICAL PROPERTY VALUES

PROPERTY	TEST METHOD	UNITS	VALUE
PHYSICAL			
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			
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			
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
THERMAL			
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	7x 10 ⁻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			
Volume resistivity	IEC 60093	Ohm.cm	>10 ¹⁵
Dielectric strength, in oil, 3.2 mm	IEC 60243-1	kV/mm	18

◆ These property values have been derived from LEXAN™ resin data for the material used to produce this sheet product.

™ Trademarks of SABIC.

PROPERTY	TEST METHOD	UNITS	VALUE
FIRE RATINGS			
Building & Construction			
Europe	EN13501-1	-	b,s1,d0 (2-6mm)
Electrical			
UL Listing E45329			

◆ These property values have been derived from LEXAN™ resin data for the material used to produce this sheet product.
 ™ Trademarks 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	
1250 x 2050	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	
1250 x 2050		
2050 x 3050	Top side: Coex opal white PE dark blue print	transparent code 112 and bronze code 5109, opal white WH4D348O 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:

SABIC CORPORATE HQ
 PO Box 5101
 Riyadh 11422
 Saudi Arabia
 T +966 (0) 1 225 8000
 F +966 (0) 1 225 9000
 E info@sabic.com

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

EUROPE
 SABIC
 Functional Forms
 Plasticslaan 1
 4612 PX
 Bergen op Zoom
 The Netherlands
 T +31 (0)164 293684
 F +31 (0)164 292272
 E ff.info@sabic.com

PACIFIC
 SABIC
 Functional Forms
 2550 Xiupu Road
 Pudong
 201319 Shanghai
 China
 T +86 21 3222 4500
 F +86 21 6289 8998
 E ff.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 license 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 affiliates.
 © Copyright 2021 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.

