

# LEXAN™ CLINIWALL™ SHEET

## Grade B6200

### PRODUCT DATASHEET

#### DESCRIPTION

LEXAN™ CLINIWALL™ sheet is a non-chlorinated and non-brominated compliant flame retardant opaque PC/ABS based sheet available in standard and custom colours. In addition to good flammability and smoke performance, it offers excellent mechanical properties like impact, stain, blood and urine resistant combined with ease of processing, making it an excellent candidate for a wide range of applications in industries such interior wall cladding and sandwich panel.

#### TYPICAL PROPERTY VALUES

PROPERTY	TEST METHOD	UNITS	VALUE
<b>PHYSICAL</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1.19
<b>MECHANICAL</b>			
Yield stress 50 mm/min	ISO 527	MPa	>60
Yield strain 50 mm/min	ISO 527	%	5
Nominal strain at break 50 mm/min	ISO 527	%	8
Tensile modulus 1 mm/min	ISO 527	MPa	2500
Scratch resistance	Pencil Hardness	9H	No scratches
Flexural Strength (2mm/min)	ISO 178	MPa	90
Linear thermal expansion, 23-55°C	ISO 11359-2	mm	7x10 <sup>-5</sup> 1/°C
<b>IMPACT</b>			
Izod impact, unnotched 23°C, 3.0 mm	ISO 180/1U	kJ/m <sup>2</sup>	NB
Izod impact, notched 23°C, 3.0 mm	ISO 180/1A	kJ/m <sup>2</sup>	45
<b>THERMAL</b>			
Vicat softening temperature, B/120	ISO 306	°C	118
<b>FIRE RATINGS</b>			
<b>Building &amp; Construction</b>			
Europe	EN13501-1	-	B,s1,d0 (1.7mm)
<b>ELECTRICAL</b>			
Vertical burn (50W)	UL94V	-	V0 (1.5mm)

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

LEXAN™ CLINIWALL™ sheet is suitable for cold line bending and can be mounted on a wall with a simple glue solution. For details we refer to our processing guide for B6200 sheet.

LEXAN™ CLINIWALL™ sheet is suitable for thermoforming. To reach optimal results the materials needs to be heated with sandwich type heating systems to reach uniform heat uptake. Pre-drying of this material is necessary. Pre drying at 100°C for 2 hours /mm thickness

LEXAN™ CLINIWALL™ sheet has a processing window between 160 and 200°C. When forming, a draft angle of 3 degrees should be allowed. Post mould shrinkage is dependent on tool temperature and environmental circumstances, but will typically be in the range of 0.5-0.9%.

## PRODUCT AVAILABILITY

PRODUCT CODE: LEXAN™ B6200 sheet

TEXTURES: Polished/Suede (B6206), Polished/Silk Math (B6205) on request with protective masking

COLORS: WH6G057 (White), BR8G038 (beige), GY8G179 (light grey/beige), GN6G033 (mint green), BL8G009 (light blue), BL1G038 (dark blue), GY1G140 (dark grey), GY7G160 (light grey), 86183 (white)

SIZES: B6205; Gauges 1.2 and 1.5mm, W – L =1250 – 3050mm  
B6206; Gauges 1.5 and 1.7mm, W – L =1250 – 3050mm

### MIDDLE EAST AND AFRICA

SABIC Global Headquarters  
PO Box 5101  
Riyadh 11422  
Saudi Arabia  
T +966 (0) 1 225 8000  
F +966 (0) 1 225 9000  
E [info@sabic.com](mailto:info@sabic.com)

### AMERICAS

Specialty Film & Sheet  
One Plastics Avenue  
Pittsfield, MA 01201  
USA  
Tol-free 1 800 323 3783  
T +1 413 448 6655  
F +1 888 443 2033  
E [Spinside.sales@sabic-ip.com](mailto:Spinside.sales@sabic-ip.com)

### EUROPE

Specialty Film & Sheet  
Plasticslaan 1  
4612 PX  
Bergen op Zoom  
The Netherlands  
T +31 164 293684  
F +31 164 292272  
E [sfs.info@sabic-ip.com](mailto:sfs.info@sabic-ip.com)

### ASIA PACIFIC

Specialty Film & Sheet  
2550 Xiupu Road  
Pudong  
201319 Shanghai  
China  
T +86 21 3222 4500  
F +86 21 6289 8998  
E [sfs.info@sabic-ip.com](mailto:sfs.info@sabic-ip.com)

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