

# LEXAN™ CLINIWALL™ AC6200 SHEET

## PRODUCT DATASHEET

### DESCRIPTION

LEXAN™ CLINIWALL™ AC6200 sheet for hygienic internal wall cladding. It contains a silver-ion additive which is a known additive to have the potential capability to reduce the growth of microorganisms significantly. The additive is fully distributed throughout the sheet; potential scratches on the surface of the sheet will, under normal circumstances, not affect the presence and the activity of the silver-ion additive throughout the life time of the sheet. 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>	1.20
<b>MECHANICAL</b>			
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
Scratch resistance	Pensile 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>	70
<b>THERMAL</b>			
Vicat softening temperature, B/120	ISO 306	°C	145
<b>FIRE RATINGS</b>			
<b>Building &amp; Construction</b>			
Europe	EN13501-1	-	B,s1,d0
<b>ANTI-BACTERIAL PERFORMANCE</b>			
S. aureus 35°C Reduction colony forming units after 24hrs	ISO 22196:2011	%	>99,9
E-COLI 35°C Reduction colony forming units after 24hrs	ISO 22196:2011	%	>99,999

♦ These property values have been derived from 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, Functional Forms 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.

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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 AC6200 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%.

## WARRANTY

LEXAN CLINIWALL AC6200 sheets will not break due to loss of impact strength when used indoors within ten (10) years of the date of sale by SABIC. See warranty for exact details.

## SAFETY

The processing guidance given in this documentation is given in good faith and the trust that in all cases you wear the correct Personal Protective Equipment (PPE), e.g. helmet, proper gloves, safety goggles etc. to safely fabricate, e.g. (but not limited to) sawing, cutting, forming our sheets and films. In all cases you should follow local and national regulations around the wear of PPE's prescribed or mandatory to perform these tasks in a safely manor.

## PRODUCT AVAILABILITY

PRODUCT CODE:	LEXAN CLINIWALL AC6200
TEXTURES:	Polished/Suede – AC6206
COLORS:	WH6G057 (White), BR8G038 (Beige), GY8G179 (Light grey), GN6G033 (Mint green), BL8G009 (Light blue), BL1G038 (Dark blue), GY1G140 (Dark grey), GY7G160 (Medium grey), 86183 (Off white)
SIZES:	AC6206: Gauges 1.5 and 1.7mm, W – L = 1300 – 3050mm AC6206: Gauges 0.059 and 0.067” W – L = 4.25 – 10ft

## CHECK OUT OUR LEXAN CLINIWALL INSTALLATION VIDEO



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