

## Description

Lexan\* 9030 FA XR sheet is a transparent sheet with polished surface and made according to European guidelines for food contact. This grade does not contain hazardous substances regulated by RoHS Directive 2002/95/EC for the food industry and has no surface treatment for either UV protected or mar-resistance. Lexan 9030 FA XR sheet combines high impact and temperature resistance with optical clarity and can be an excellent candidate for chocolate molds and food packaging. Lexan 9030 FA XR sheet can be cut, sawn, drill, milling and bent easily using standard workshop equipment without the risk of cracking and breakage. Lexan 9030 FA XR sheet can be easily thermoformed into complex parts like dishwasher cleanable chocolate molds and will retain its properties.

## Typical Property Values ♦

Property	Value	Unit	Test Method
<b>Physical</b>			
Density	1.2	g/cm <sup>3</sup>	ISO 1183
Water absorption, (23°C /sat)	0.12	%	ISO 62
Water absorption, (23°C / 50% RH)	0.09	%	ISO 62
<b>Mechanical</b>			
Tensile stress at yield 50 mm/min	60	MPa	ISO 527
Tensile stress at break 50 mm/min	70	MPa	ISO 527
Tensile strain at yield 50 mm/min	6	%	ISO 527
Tensile strain at break 50 mm/min	110	%	ISO 527
Tensile modulus 1 mm/min	2000	MPa	ISO 527
Flexural stress at yield 2 mm/min	90	MPa	ISO 178
Flexural modulus 2 mm/min	2200	MPa	ISO 178
<b>Impact</b>			
Charpy 23°C V-notch Edgew80*10*4 sp=62mm	74	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy -30°C V-notch Edgew80*10*4 sp=62mm	24	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact, notched 80*10*4 23°C	56	kJ/m <sup>2</sup>	ISO 180/1A
Izod impact, notched 80*10*4 -30°C	29	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal</b>			
Vicat B/120	142	°C	ISO 306
HDT/Af, 1.8 MPa Flatw. 80*10*4/sp=64	118	°C	ISO 75/Af
Ball pressure test 125 ±2°C	Passes	-	IEC60695-10-2
<b>Optical</b>			
Light transmission 3 mm	78	%	ASTM-D1003

- ♦ These property values have been derived from Lexan\* resin data for the material used to produce this sheet product. These typical values are not intended for specification purposes. If minimum certifiable properties are required please contact your local SABIC Innovative Plastics 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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## Chemical Resistance

Taking into account the complexity of chemical compatibility, all chemicals which come into contact with Lexan 9030FA XR sheet should be tested. Consult our technical service center for more technical info.

## Product Availability

<b>Product code:</b>	DSS1001
<b>Standard gauge : #</b>	1, 1.5, 2, 2.5, 3 mm
<b>Standard width:#</b>	1250 mm
<b>Standard length: #</b>	2050 mm
<b>Standard color: #</b>	N8A006
<b>Masking, top: #</b>	PE coex translucent white 50 mu
<b>Masking, bottom</b>	PE coex translucent white 50 mu

# Other gauges and other dimensions upon request and are subject to minimum order quantities.



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