

## Description

Lexan SLX 23030SN sheet is a thermoformable clear sheet with coextruded cap layers of weatherable polymer on both sides that provides enhanced weathering, gloss, chemical and scratch resistance. Possible end uses include shaped windows, skylights or vaults, where formability, light transmission, weather resistance, chemical and scratch resistance are key CTQ's.

## Typical Property Values ♦

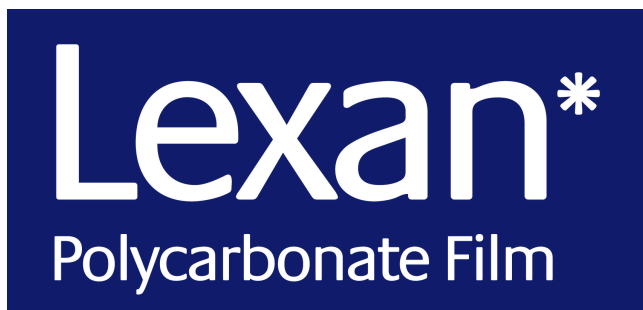
Property	Test Method	Units	Value
<b>Physical</b>			
Specific gravity	ASTM D792	--	1.205
Area factor			160
Water absorption, equilibrium, 24 hrs.	ASTM D570	%	.3
<b>Mechanical</b>			
Tensile strength Ultimate	ASTM D638	psi @ yield	9500
Tensile modulus	ASTM D638	psi	340,000
Tensile elongation	ASTM D638	% Ultimate	110
Flexural strength (Gauge Dependent) #	ASTM D790	psi	12,500
Flexural modulus (Gauge Dependent) #	ASTM D790	psi	340,000
Izod Impact Strength (Gauge Dependent) # Notched @ 75°F	ASTM D256A	ft-lbs/in	12
Dart drop Impact Strength, 1" diam dart (Gauge Dependent)	SABIC- Test	ft-lbs @ 75°F	>200
<b>Thermal</b>			
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.75X10 <sup>-5</sup>
Heat Deflection Temperature @ 264 psi	ASTM D648	°F	270
@ 66 psi			280
<b>Optical</b>			
Light transmission , .177" sheet	ASTM D1925	%	80
Haze, .177" sheet	ASTM D1925	%	<1
YI , initial	ASTM D1925		1
Refractive index	ASTM D542		1.59
Gloss, 65 degree	Gardner		105
<b>Other</b>			
Mar resistance, 20 degree gloss	Amtec Kistler	% gloss retained	45
Pencil hardness			F

♦ These are typical properties and are not intended for specification purposes. If minimum certifiable properties are required, please contact your local SABIC Innovative Plastics, Specialty Film & Sheet representative or the Quality Services Department.

# Reported Values are Based on 0.125" thickness unless otherwise noted.

Note: This preliminary data sheet is provided to assist you in the evaluation of the product that is under development. Until SABIC Innovative Plastics releases this product for general sales, SABIC Innovative Plastics reserves the right to alter prices, specifications, features, capabilities, function, release dates, and even general availability of the product at any time.

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