

## Description

Lexan\* CTGXT Anti Fog is a two-side, coated polycarbonate sheet offering excellent dimensional stability and impact resistance, optical clarity, UV protection, abrasion resistance and fog free time. Is an excellent candidate to offer a superior performance in the visor/eye protection industry. Typical applications include: face shields, motor cycle visors, industrial visors and goggles, sport goggles and sunglasses.

## Typical Property Values ♦

Property	Test Method	Unit	Value
<b>Physical</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1.20
Water absorption, 24 hours equilibrium	ISO 62	%	0.15
		%	0.35
<b>Optical</b>			
Light transmission	ASTM D 1003	%	89.5
Taber abrasion (anti-scratch) CS 10F, 500g, 100 cycles	ASTM D1044	% haze	12
Fog Free time	SABIC Method	s	>60
<b>Mechanical</b>			
Tensile stress, yield	ISO 527	MPa	60
Tensile modulus	ISO 527	MPa	2300
Elongation, yield	ISO 527	%	7
Elongation, break	ISO 527	%	110
Flexural strength, yield	ISO 178	MPa	100
Flexural modulus	ISO 178	MPa	2500
Izod notched impact, 20 °C	ISO 180-1A	KJ/m <sup>2</sup>	65
		KJ/m <sup>2</sup>	10
Gardner impact, 20 °C	SABIC Method	J	>37
		J	>37
Gardner impact, -20 °C	SABIC Method	J	>37
		J	>37
<b>Thermal</b>			
Vicat Softening Temp., Rate B / 120 (base sheet)	ISO 306	°C	150
Mold shrinkage	ISO527	%	0.5-0.7
Thermal expansion	ASTM D696	1/ °C	7x10 <sup>-5</sup>
HDT, 0.45 MPa	ISO 75 /Be	°C	138

♦ Typical values only. Variations within normal tolerances are possible for the various textures.

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## Chemical Resistance

Lexan CTGXT Anti-Fog sheet has high resistance to most moderate chemicals. In applications where it will come into contact with aggressive chemicals, specific (application related) testing of the material is strongly recommended. A cleaning solution is offered.

## Product Availability

Gauge (mm)	width (mm)	length (mm)	color
0.75	1220	2920	112
1.00	1220	2920	112
1.50	1220	2920	112
2.00	1220	2920	112
3.00	1220	2920	112



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