

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
Physical			
Density	ISO 1183	g/cm ³	1.20
Water absorption, 24 hours equilibrium	ISO 62	%	0.15
		%	0.35
Optical			
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
Mechanical			
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 ²	65
		KJ/m ²	10
Gardner impact, 20 °C	SABIC Method	J	>37
		J	>37
Gardner impact, -20 °C	SABIC Method	J	>37
		J	>37
Thermal			
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 ⁻⁵
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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