

Polycarbonate Lexan is a very strong transparent plastic.

ISO	PC polycarbonate
Shape	Sheet
Color	Transparant
Density	1200 kg/m ³
Flame Resistance (EN 13501-1)	b,s1,d0 (2-6mm)

Material information

Lexan is excellent for heavier duty applications and is 250 times stronger than glass at the same thickness. This high mechanical strength makes it suitable for demanding applications.

Usage examples

Safety glazing, fire-sensitive applications (self-extinguishing)

Processing

Lexan processes well with standard tools and is cold set.
Measurement tolerance 2768-mK

FDA

USA Food Grade under FDA

Item Overview

Item Code	Item Name	Width (mm)	Length (mm)
78000010	PC Lexan 9030 112 1 mm	1.525	2.050
78000020	PC Lexan 9030 112 2 mm	1.525	2.050
78000030	PC Lexan 9030 112 3 mm	1.525	2.050
78000040	PC Lexan 9030 112 4 mm	1.525	2.050
78000050	PC Lexan 9030 112 5 mm	1.525	2.050
78000060	PC Lexan 9030 112 6 mm	1.525	2.050
78000080	PC Lexan 9030 112 8 mm	1.525	2.050
78000095	PC Lexan 9030 112 9,5 mm	1.525	2.050
78000120	PC Lexan 9030 112 12 mm	1.525	2.050

Water absorption

The extent to which the product absorbs water when tested for 24 hours in water at 23 degrees in accordance with ISO 63.

Immersion Saturation

0,150 % 0,350 %

Thermal properties

[tbl thermal explainer](#)

[tbl thermische geleiding](#) [tbl lin uitzet 2360](#) [tbl lin uitzet 23100](#) [tbl temp deflection load](#)

0,200 W/(K.m) 7 x 10⁻⁶ m/(m.K) 0 x 10⁻⁶ m/(m.K) 127 °C



Impact tests

[tbl_charpy_izod_explainer](#)

tbl_charpy_impact	tbl_charpy_unnotched	tbl_charpy_notched	tbl_izod_impact	tbl_izod_impact_notched
ISO 179-1	75 KJ/m ²	0 KJ/m ²	ISO 179-1	0

Dynamische Coefficient of Friction

[tbl_dcf_explainer](#)

tbl_dcf	tbl_dcf_min	tbl_dcf_max	tbl_dcf_wear
ISO 179-1 0	0	0	0 µm/km

Related materials

Code	Group Name	Shape	Color
780	PC Lexan 9030 112	Sheet	Transparant

We provide product information as known by us with great care. We cannot accept any liability for errors and/or inaccuracies and/or incompleteness. Please note that our products are intended for professional use only. For high impact applications and/or combinations of limit values we always recommend to have the properties specific to that situation verified by us. If there are multiple specifications for a product we will use the standard of 2mm or the closest specification.

