

Technical data

CODE:

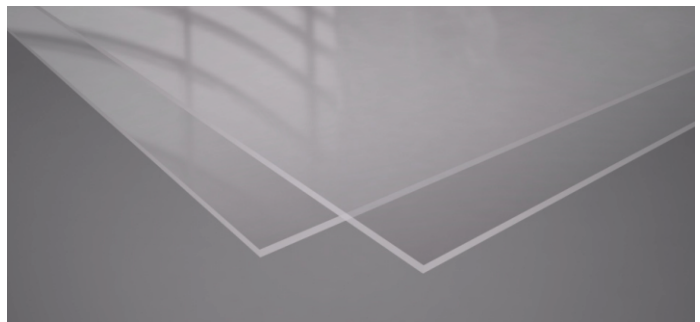
307**

PRODUCT:

PLEXIGLASS CRYSTAL OPÁL

NOTE:

TECHNICAL DATA

IMAGE:**LAST UPDATE:**

5/2022

PLEXIGLASS CRYSTAL

High quality extruded acrylic sheets

Bright clarity, excellent transparency and easy to thermoform, The PLEXIGLASS CRYSTAL extruded sheets provide long-life UV resistant products for visual communication, architectural and interior design purposes. Also great for shopping center shelves, point-of-sale units for cosmetics, fashion and medical products, back-lit signage and other display purposes. The PLEXIGLASS CRYSTAL Super (high impact PMMA) sheet is appropriate for vehicle number-plates, lighting and other applications where good mechanical properties are required.

Applications

Glazing
Curtain walls
Noise reduction barriers
Lighting / Illumination
Sky light / Domes
Art design
POS display stands
Interior decoration
Furniture
Signage
Automotive

Features and Benefits

Highly transparent, 92% light transmission
Low haze <1%
Hard surface
Excellent colour stability
10 year limited warranty
Proved weather resistance
Easily thermoformed and machined
Easily glue bonded
Cold curving capability
Less half the weight of glass
Recycle 100% after use
No carcinogenic or hazardous substances
REACH certification
Food approved
Friendly to the environment
Non toxics fumes emitted in fire
Fires can be easily extinguished with water
Easily polished and reshape

Dimensions

Thickness (mm): 0,7 to 30
Widths (mm): 1000, 1250, 2050
Length (mm): 500-6000

All sheets are also available cut to size, according to customer requirements.

Colours

Opal

GENERAL PROPERTIES	METHOD	UNITS	CRYSTAL XT
			R7064
Density	ISO 1183	g/cm ³	1,19
Water absorption	ISO 62 (1)	%	0,3
Flammability	UL-94 class	class	HB
Optical			
Light transmission (clear sheet)	ASTM D1003	%	29-31
Haze (clear sheet)	ASTM D1002	%	<1
Refractive index (clear sheet)	ISO 489		1,49
Mechanical			
Tensile Strength	ISO 572-2	MPa	72
Elongation at break	ISO 572-2	%	4
Tensile Modulus	ISO 572-2	MPa	3300
Flexural Strength	ISO 178	MPa	106
Flexural Modulus	ISO 178	MPa	3350
Rockwell hardness		M-scale	95
Impact resistance - Izod notched	ISO 180	kJ/m ²	1,5
Thermal			
Temp. of deflection under load 1,8 Mpa	ISO 75-1	°C	95
Coefficient of linear thermal expansion (CLTE)	ISO 11359	mm/(m x 1/°C)	0,065
Vicat softening temperature (50 N)	ISO 306	°C	103
Recommended Continuous Service Temperature		°C	70
Recommended Maximum Temperature / Short time		°C	91