



Lamellas

Product range

Lamellas made of polycarbonate

Product range lamellas

RODECA lamellas, made of high-quality polycarbonate, are available in different thicknesses. Our translucent building elements are produced with coextruded UV protective layers on the outsides. We grant a 10-year warranty against aging and yellowing in accordance with our written guarantee.

Thickness [mm]	Lamella	U_p -value [W/m ² K] vertical / horizontal	Weight [kg/m ²]	Width [mm]	Fire classification EN 13501
6	Lamella 6-2	3.5 / 3.9 W/m ² K	approx. 1.3 kg/m ²	120-200 mm*	B-s1, d0
8	Lamella 8-2	3.2 / 3.5 W/m ² K	approx. 1.6 kg/m ²	120-200 mm*	B-s1, d0
9	Lamella 9-2	3.2 / 3.5 W/m ² K	approx. 1.7 kg/m ²	120-200 mm*	B-s1, d0
10	Lamella 10-2	3.0 / 3.2 W/m ² K	approx. 1.9 kg/m ²	120-200 mm*	B-s1, d0
16	Lamella 16-4	2.2 / 2.3 W/m ² K	approx. 2.4 kg/m ²	193-300 mm*	B-s1, d0
	Lamella 16-7	1.8 / 1.9 W/m ² K	approx. 2.4 kg/m ²	190-292 mm*	B-s1, d0
20	Lamella 20-4	1.9 / 2.0 W/m ² K	approx. 2.6 kg/m ²	193-300 mm*	B-s1, d0
	Lamella 20-7	1.6 / 1.7 W/m ² K	approx. 2.6 kg/m ²	190-292 mm*	B-s1, d0
25	Lamella 25-7	1.4 / 1.5 W/m ² K	approx. 2.7 kg/m ²	190-292 mm*	B-s1, d0
30	Lamella 30-7	1.3 / 1.3 W/m ² K	approx. 2.8 kg/m ²	190-292 mm*	B-s1, d0

Production tolerances s. general information

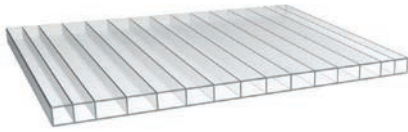
Advantages

- Polycarbonate is a crystal clear, high impact thermoplastic
- Temperature resistance from von -40 to +115°C, temporarily up to 130°C
- Impact resistance virtually unchanged within these temperatures
- Good long term performance through UV protection
- 10 years warranty against yellowing - ageing - hail stone
- Translucent with excellent thermal properties

Versions

- Crystal
- Opal
- Color* (on request)

Lamella PC 6-2



Product properties	
Building width	120 mm up to 200 mm (+6 / -2 mm) (minimum quantities required)
Thickness	6 mm (+/- 0.5 mm)
Weight	approx. 1.3 kg/m ²
Structure	2 layers / 1 chamber
U _p -value	3.5 W/m ² K vertical 3.9 W/m ² K horizontal
Fire classification	B-s1, d0 according to EN 13501
Production tolerances	EN 16153
Light transmission	crystal approx. 81%*
UV-protection	both sided UV-protection on the outsides
UV-admission	< 1 %, wavelengths until 380 nm stopped almost a 100 %
Coefficient of linear expansion	0.065 mm/m/°C
Versions	crystal / opal / Color**

Lamella PC 8-2

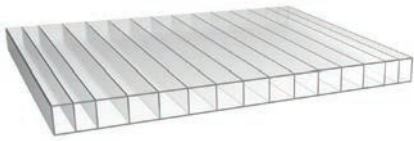


Product properties	
Building width	120 mm up to 200 mm (+6 / -2 mm) (minimum quantities required)
Thickness	8 mm (+/- 0.5 mm)
Weight	approx. 1.6 kg/m ²
Structure	2 layers / 1 chamber
U _p -value	3.2 W/m ² K vertical 3.5 W/m ² K horizontal
Fire classification	B-s1, d0 according to EN 13501
Production tolerances	EN 16153
Light transmission	crystal approx. 81%*
UV-protection	both sided UV-protection on the outsides
UV-admission	< 1 %, wavelengths until 380 nm stopped almost a 100 %
Coefficient of linear expansion	0.065 mm/m/°C
Versions	crystal / opal / Color**

*in-house measurements

**minimum quantities required

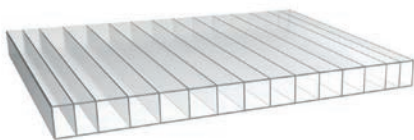
Lamella PC 9-2



Product properties

Building width	120 mm up to 200 mm (+6 / -2 mm) (minimum quantities required)
Thickness	9 mm (+/- 0.5 mm)
Weight	approx. 1.7 kg/m ²
Structure	2 layers / 1 chamber
U _p -value	3.2 W/m ² K vertical 3.5 W/m ² K horizontal
Fire classification	B-s1, d0 according to EN 13501
Production tolerances	EN 16153
Light transmission	crystal approx. 81%*
UV-protection	both sided UV-protection on the outsides
UV-admission	< 1 %, wavelengths until 380 nm stopped almost a 100 %
Coefficient of linear expansion	0.065 mm/m/°C
Versions	crystal / opal / Color**

Lamella PC 10-2



Product properties

Building width	120 mm up to 200 mm (+6 / -2 mm) (minimum quantities required)
Thickness	10 mm (+/- 0.5 mm)
Weight	approx. 1.9 kg/m ²
Structure	2 layers / 1 chamber
U _p -value	3.0 W/m ² K vertical 3.2 W/m ² K horizontal
Fire classification	B-s1, d0 according to EN 13501
Production tolerances	EN 16153
Light transmission	crystal approx. 81%*
UV-protection	both sided UV-protection on the outsides
UV-admission	< 1 %, wavelengths until 380 nm stopped almost a 100 %
Coefficient of linear expansion	0.065 mm/m/°C
Versions	crystal / opal / Color**

*in-house measurements

**minimum quantities required

Lamella PC 16-4



Product properties

Building width	193 mm up to 300 mm (+6 / -2 mm) (minimum quantities required)
Thickness	16 mm (+/- 0.5 mm)
Weight	approx. 2.4 kg/m ²
Structure	4 layers / 3 chambers
U _p -value	2.2 W/m ² K vertical 2.3 W/m ² K horizontal
Fire classification	B-s1, d0 according to EN 13501
Production tolerances	EN 16153
Light transmission	crystal approx. 66%*
UV-protection	both sided UV-protection on the outsides
UV-admission	< 1 %, wavelengths until 380 nm stopped almost a 100 %
Coefficient of linear expansion	0.065 mm/m/°C
Versions	crystal / opal / Color**

Lamella PC 20-4



Product properties

Building width	193 mm up to 300 mm (+6 / -2 mm) (minimum quantities required)
Thickness	16 mm (+/- 0.5 mm)
Weight	approx. 2.6 kg/m ²
Structure	4 layers / 3 chambers
U _p -value	1.9 W/m ² K vertical 2.0 W/m ² K horizontal
Fire classification	B-s1, d0 according to EN 13501
Production tolerances	EN 16153
Light transmission	crystal approx. 65%*
UV-protection	both sided UV-protection on the outsides
UV-admission	< 1 %, wavelengths until 380 nm stopped almost a 100 %
Coefficient of linear expansion	0.065 mm/m/°C
Versions	crystal / opal / Color**

*in-house measurements

**minimum quantities required

Lamella PC 16-7



Product properties

Building width	190 mm up to 292 mm (+6 / -2 mm) (minimum quantities required)
Thickness	16 mm (+/- 0.5 mm)
Weight	approx. 2.4 kg/m ²
Structure	7 layers / 6 chambers
U _p -value	1.8 W/m ² K vertical 1.9 W/m ² K horizontal
Fire classification	B-s1, d0 according to EN 13501
Production tolerances	EN 16153
Light transmission	crystal approx. 60%* opal 012 approx. 35%*
UV-protection	both sided UV-protection on the outsides
UV-admission	< 1 %, wavelengths until 380 nm stopped almost a 100 %
Coefficient of linear expansion	0.065 mm/m/°C
Versions	crystal / opal / Color**

Lamella PC 20-7



Product properties

Building width	190 mm up to 292 mm (+6 / -2 mm) (minimum quantities required)
Thickness	20 mm (+/- 0.5 mm)
Weight	approx. 2.6 kg/m ²
Structure	7 layers / 6 chambers
U _p -value	1.6 W/m ² K vertical 1.7 W/m ² K horizontal
Fire classification	B-s1, d0 according to EN 13501
Production tolerances	EN 16153
Light transmission	crystal approx. 60 %*
UV-protection	both sided UV-protection on the outsides
UV-admission	< 1 %, wavelengths until 380 nm stopped almost a 100 %
Coefficient of linear expansion	0.065 mm/m/°C
Versions	crystal / opal / Color**

*in-house measurements

**minimum quantities required

Lamella PC 25-7



Product properties

Building width	190 mm up to 292 mm (+6 / -2 mm) (minimum quantities required)
Thickness	25 mm (+/- 0.5 mm)
Weight	approx. 2.7 kg/m ²
Structure	7 layers / 6 chambers
U _p -value	1.4 W/m ² K vertical 1.5 W/m ² K horizontal
Fire classification	B-s1, d0 according to EN 13501
Production tolerances	EN 16153
Light transmission	crystal approx. 60 %*
UV-protection	both sided UV-protection on the outsides
UV-admission	< 1 %, wavelengths until 380 nm stopped almost a 100 %
Coefficient of linear expansion	0.065 mm/m/°C
Versions	crystal / opal / Color**

Lamella PC 30-7



Product properties

Building width	190 mm up to 292 mm (+6 / -2 mm) (minimum quantities required)
Thickness	30 mm (+/- 0.5 mm)
Weight	approx. 2.8 kg/m ²
Structure	7 layers / 6 chambers
U _p -value	1.3 W/m ² K vertical 1.3 W/m ² K horizontal
Fire classification	B-s1, d0 according to EN 13501
Production tolerances	EN 16153
UV-protection	both sided UV-protection on the outsides
UV-admission	< 1 %, wavelengths until 380 nm stopped almost a 100 %
Coefficient of linear expansion	0.065 mm/m/°C
Versions	crystal / opal / Color**

*in-house measurements

**minimum quantities required

Colours

RODECA lamellas are made of high-quality polycarbonate and can be produced in numerous colours on customers request. Please contact us!



