

Technical file

Corrugated sheets in solid polycarbonate

General product description:

The corrugated sheet in solid polycarbonate is developed for inclined, vertical or slightly bended applications where important light transmission and solidity are primordial. For e.g. playground coverings, cycle sheds... The corrugated sheet is specially appropriate for outer use and in aggressive environments.

The simple walled corrugated sheet is UV proof to the outside (coextruded protection). Polycarbonate offers a pronounced solidity and impact resistance against hail and resists impacts from (foot)balls.

Specific characteristics:

Type	177/51	76/18
Sheet thickness	1 mm	0,8 mm
Sheet width	920 mm and 1100 mm	1060 mm
Dimension and type of corrugation	Sinus corrugation 177/51 mm	Sinus corrugation 76/18 Greca 76/18
Mechanical characteristics	200 x more resistant than glass. Excellent hail resistance (2,7 Joule) and resists impacts from (foot)balls.	200 x more resistant than glass. Excellent hail resistance (2,7 Joule) and resists impacts from (foot)balls.
Thermal characteristics	U-value 5,7 W/m ² .K Softening point at 145°C	U-value 5,7 W/m ² .K Softening point at 145°C
Chemical characteristics	On request	On request
Translucid characteristics	Clear 88%	Clear 88%
UV light transmission	< 2 %	< 2 %
Dilatation coefficient	0,065 mm/m.K	0,065 mm/m.K
Processing temperature	-20°C to +100°C	-20°C to +100°C
Minimum inclination	10° outside use	10° outside use
Minimum bending radius	20 m	6 m
Density	1,2 kg/dm ³	1,2 kg/dm ³

Remark : Drilling dust of cement sheets can have negative influence on the sheets

Attestations and certificates:

- Fire rating
 - B, s1, d0 (EN 13501-1)
 - M1 self extinguishing (NF P92-507)
 - B1 (DIN 4102 part 1)
- Fall-through protection
 - 1200 Joule