

Technical data

RÖBER PMMA Welle

RÖBER PMMA Welle acrylic sheets with waveness 76/18 as well as 177/51 are impact resistant and are offered in clear and different colored variations.

General Properties		
Width / effective width	mm	920/850 1045/980
Sheet thickness*	mm	ca. 1,5 - 3,0
Elastic modulus	MPa	3300
Max. service temperature, no load	°C	70
Allowable bending moment, referred to the length	Nm/m	70
Coefficient of thermal expansion	mm/m °C	0,07
Possible expansion due to heat and humidity	mm/m °C	7
Minimum roof pitch	Grad/cm	5/9
Max. purlin space at 750 N/m ² wind/snowload wave 76/18	mm	600/850
Max. purlin space at 750 N/m ² wind-/snowload wave 177/51	mm	1200

*thickness tolerance +/- 5 %

Light-transmission-grades		
Thickness	Type	Transmission in %
1,8 - 3,0	Sinus 76/18 smooth clear	approx. 90
3,0	Sinus 76/18 smooth klima blue	approx. 21
1,8 - 3,0	Trapez 76/18 smooth clear	approx. 90
3,0	Sinus 76/18 Wabe clear	approx. 81
3,0	Sinus 76/18 Wabe bronze	approx. 55
3,0	Sinus 76/18 Wabe grey	approx. 67
3,0	Sinus 76/18 Wabe klima blue	approx. 21
1,8 - 3,0	Sinus 76/18 C-Structure clear	approx. 81
1,8 - 3,0	Sinus 76/18 C-Structure bronze	approx. 55
1,8 - 3,0	Sinus 76/18 C-Structure grey	approx. 55
1,8 - 3,0	Trapez 76/18 C-Structure klar	approx. 81
1,8 - 3,0	Trapez 76/18 C-Structure bronze	approx. 55
2,5	Trapez 76/18 C-Structure grey	approx. 55
3,0	Sinus 177/51 smooth clear	approx. 90