



# TECHNICAL DATASHEET

Solid polycarbonate sheet

Product code: EZC8

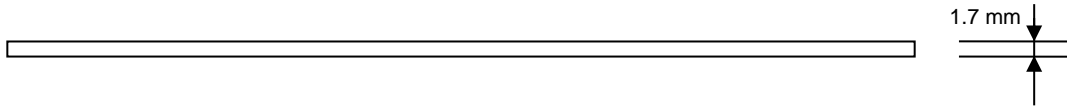
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## Macroclean® 1.7 mm

### SECTION



### TECHNICAL CHARACTERISTICS

	Units	Value	Notes
<b>Thickness</b>	mm	1.7	+/-10%
<b>Weight</b>	Kg/m <sup>2</sup>	2,04	-
<b>Width</b>	mm	1250	other sizes on request
<b>Length</b>	mm	3000	
<b>Thermal insulation (U-value)</b>	W/m <sup>2</sup> K	5,6	Calculated value <sup>(1)</sup>
<b>Minimum cold bending radius</b>	mm	300	-
<b>Colour</b>			Opaque White (0311) Opaque Green (0757) Opaque Beige (0303) Opaque Light Blue (0701)
<b>Fire certification</b>	-	B s1 d0	According to EN 13501-1 <sup>(**)</sup>
<b>Coefficient of thermal expansion</b>	mm/m °C	0,065	
<b>Service temp. (continuous use)</b>	°C	-40°C ÷ 120°C	-
<b>Antibacterial properties</b>		Yes Si	Coextruded on external side
<b>Matt surface</b>		Yes Si	Coextruded on external side
<b>UV protection</b>	-	Yes Si	Coextruded on external side

<sup>(1)</sup> According to EN 16240 method

<sup>(\*\*)</sup> Fire certification could be subject to limitations

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### POLYCARBONATE CHARACTERISTICS

	Value	Units	Standard	
<b>Mechanical properties</b>				
Yield stress (50 mm/min)	63	MPa	ISO 527	
Stress at break (50 mm/min)	70	MPa	ISO 527	
Yield strain (50 mm/min)	6	%	ISO 527	
Strain at break (50 mm/min)	120	%	ISO 527	
Tensile modulus (1 mm/min)	2350	MPa	ISO 527	
<b>Impact properties</b>				
Charpy V-notched impact strength	+23°C	75	kJ/m <sup>2</sup>	ISO 179/1eA
	-30°C	15	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength	+23°C	70	kJ/m <sup>2</sup>	ISO 180/1A
	-30°C	12	kJ/m <sup>2</sup>	ISO 180/1A
<b>Physical properties</b>				
Density	1,2	g/cm <sup>3</sup>	ISO 1183	
Water absorption (23°C; saturation)	0,35	%	ISO 62	
Moisture absorption (23°C; 50% RH)	0,15	%	ISO 62	
Water vapor permeability (23°C; 85% RH; 0,1 mm)	15	g/(m <sup>2</sup> 24h)	ISO 15106-1	
<b>Thermal properties</b>				
Coefficient of linear thermal expansion (23°C ÷ 55°C)	0,65	10 <sup>-4</sup> /K	ISO 11359-2	
Thermal conductivity	0,20	W/(m K)	ISO 8302	
Vicat softening temperature (50N; 120°C/h)	145-149	°C	ISO 306	
TYPICAL VALUES REFERRED TO POLYCARBONATE AS RAW MATERIAL				

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