



Product data sheet, July 2009

Makrolon® multi UV 2/4-6 Multiwall polycarbonate sheet



Your benefits:

- high impact strength
- lightweight
- cold-bendable

Makrolon® multi UV 2/4-6 is a twinwall polycarbonate sheet of 4 mm thickness. The sheet is lightweight, impact resistant and easy to install.

Applications

Makrolon® multi UV 2/4-6 is used as an advertising display, partition and load-free panel. For load bearing structures (exposed to wind or snow loads), installed flat or as barrel vaults, it is advised to use sheets of greater thickness.

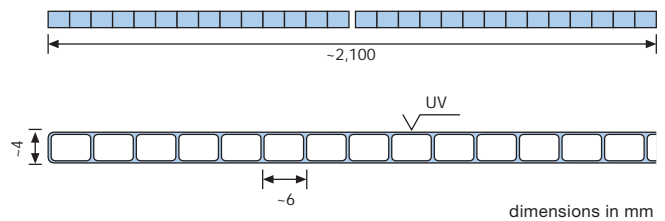
UV-protection

The sheets are produced with a coextruded UV-protective layer, which is homogeneously fused with the sheet material. This UV-protected side must be installed facing upwards/outwards.

TECHNICAL DATA (TYPICAL VALUES)

Area weight	0.8 kg/m ²	
Sheet width	2,100 mm	
Possible delivery lengths	2,000 to 12,000 mm	
Minimum permissible cold-bending radius ⁽¹⁾	700 mm	
Light transmittance τ_{D65} (UV-absorbing)	clear 1099: white 1146: white 1125:	ca. 79 % ca. 77 % ca. 28 %
Heat transfer coefficient (ASTM C 976/90) U _g	4.1 W/m ² K	
Coefficient of thermal expansion α	0.065 mm/m °C	
Possible expansion due to heat and moisture	3 mm/m	
Max. service temperature without load	120 °C	
Fire rating ⁽²⁾	clear 1099 clear 1099	M1 (NF P 92501/505) B2 (DIN 4102)

⁽¹⁾ The cold-bending must be parallel to the ribs of the sheets, never crosswise (risk of buckling)
⁽²⁾ fire certificates are limited in time, always check if the mentioned certificate is still valid



S-Line

Bayer Sheet Europe S-Line, the standard product line, represents a range of certified quality products which offer the reliable solution for most applications.

Bayer Sheet Europe also produces solid sheets in polycarbonate (Makrolon® GP) and in polyester (Vivak® and Axpet®). For more information, take a look at www.bayersheeteurope.com.

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makrolon®
multi UV