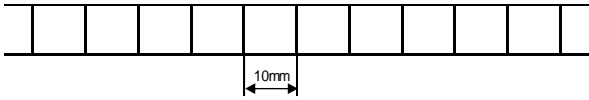




MULTICLEAR® EASY BOX



MULTICLEAR® EASY BOX is an aesthetically pleasing twin wall extruded multiwall polycarbonate sheet which offers higher light transmission products with lower weight for handling and transportation.

MULTICLEAR® EASY BOX is transparent and translucent sheet with one side UV protection . Standard production available in thickness 10 mm in clear colour.

Dust free knife cutting is used in all formatting operations.

MULTICLEAR® EASY BOX has a 5 year limited warranty against discoloration and light transmission due to weathering.

In case of fire, the sheet will melt and allow venting where heat and smoke will be let out and therefore reduce the growth of fire by flame spread.

MULTICLEAR® EASY BOX BENEFITS:

- High light transmission
- Excellent bending radius
- One side UV protection
- Light weight - simple handling and installation

APPLICATION AREAS:

Hobby applications as temporary and small size roofing, pergolas, swimming pool covers, fencing, various types of glazing

Lighting/packaging - lamp optics and neon signs boxes, pallet shields, protective covers for fragile items

Advertising illuminated signs and advertising panels

Lorry/tractor ports

MULTICLEAR® EASY BOX TECHNICAL SPECIFICATIONS:

Multiclear® EASY BOX	Thickness mm	Rib distance mm	Weight g/m ²	U-Value W/m ² *K	Width mm	UV side	Colour
	10	10	1400	3,0	2100	1	clear

Property	Value	Unit	Standard
Physical properties			
Density	1,2	g/cm ³	ISO 1183
Refractive index	1,586		ISO 489
Moisture absorption 24 hours, 23 °C, 50% RH	0,15	%	
Mechanical properties			
Tensile strength at yield (break)	63 (70)	N/mm ²	ISO 527
Tensile elongation at yield (break)	6 (110)	%	ISO 527
Elastic modulus	2300	N/mm ²	ISO 527
Flexural modulus	2300	N/mm ²	ISO 178
Charpy unnotched impact strength +23 °C	NB	kJ/m ²	ISO 179/2D
Charpy unnotched impact strength -40 °C	NB	kJ/m ²	ISO 179/2D
Izod notched impact strength +23 °C	65	kJ/m ²	ISO 180/1A
Izod notched impact strength -30 °C	10	kJ/m ²	ISO 180/1A
Rockwell hardness	M70		ISO 2039-2
Thermal properties			
Linear coefficient of thermal expansion (23-80 °C)	0,7	10 ⁻⁴ x K ⁻¹	
Vicat temperature VST/B 120	149	°C	ISO 306
Vicat temperature VST/B 50	148	°C	ISO 306
Heat deflection temperature, HDT A (1,80 N/mm ²)	132	°C	ISO 75
Heat deflection temperature, HDT B (0,45 N/mm ²)	142	°C	ISO 75
Specific heat capacity, Cp	1,17	kJ/kg.K	
Thermal conductivity	0,21	W/m.K	DIN 52612

Properties reported here are typical values. Arla Plast makes no representation that the material in any particular shipment will conform exactly to the values given. The above information is based upon experience and given in good faith. Due to many factors which are outside our knowledge and control, no warranty is given or is to be implied with respect to such information. Detailed product specification and technical manual/information is available on request.

