



MULTICLEAR® HAMMER FINISH

MULTICLEAR® HAMMER FINISH is a textured multiwall polycarbonate sheet which has special aesthetic appearance. The product has been designed to provide an alternative to architects or specifiers who would like to maintain the light transmission whilst allowing maximum diffusion of light without tinting the product. The spread of light is even and the surface is textured on the inner layer. Light diffusion and transmission are much better than standard tinted products. Good cleanability and appearance with light diffusion and diffraction hides dirt or marks on the sheet.

MULTICLEAR® HAMMER FINISH has one side UV protected sheet as standard (also available with two side UV protection). Standard colours are opal, white and bronze. Other colours are available. Thicknesses from 8 mm upwards for the whole MULTICLEAR® range.

MULTICLEAR® HAMMER FINISH has a 10 year limited warranty against discolouration, loss of impact strength and light transmission due to weathering.

ALSO AVAILABLE:

MULTICLEAR® HAMMER FINISH is available for the whole MULTICLEAR® range.

EXCELLENT FIRE PERFORMANCE complying requirements to EN 13501-1 (EUROPEAN BUILDING STD). 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® HAMMER FINISH BENEFITS:

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

APPLICATION AREAS:

Where aesthetics are required and privacy is needed.

MULTICLEAR® HAMMER FINISH TECHNICAL SPECIFICATIONS

Property	Value	Unit	Standard
Physical properties			
Density	1,2	g/cm ³	ISO 1183
Refractive index (20 °C)	1,586		ISO 489
Moisture absorption 24 hours, 23 °C, 50% RH	0,15	%	
Mechanical properties			
Tensile strength at yield (at break)	63 (70)	N/mm ²	ISO 527
Elongation at yield (at 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	
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
Vicat temperature VST/B 120	149	°C	ISO 306
Vicat temperature VST/B 50	148	°C	ISO 306
Specific heat capacity, Cp	1,17	kJ/kg.K	
Thermal conductivity	0,20	W/m.K	DIN 8302

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.