



POLYCARBONATE OPAQUE ATECH 7000 FA

Arla Plast POLYCARBONATE OPAQUE ATECH 7000 FA is a range of opaque coloured polycarbonate sheets. The product is virtually unbreakable with extremely high impact resistance. The product offers high temperature performance too.

POLYCARBONATE OPAQUE ATECH 7000 FA complies with food contact regulations.

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BENEFITS:

- Food compliant sheet
- High impact strength
- Wide temperature range

APPLICATION AREAS:

The product is used in applications where food compliance is required coupled with high temperature performance.

DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width:

- Smooth 00/00: 2050mm
- With embossing: 1700 mm

Colours: standard colours and customer specific colours

Embossing: 00/00, 00/35, 00/40

POLYCARBONATE OPAQUE ATECH 7000 FA TYPICAL PROPERTY VALUES

Property	Value	Unit	Standard
Physical properties			
Density	1,20	g/cm ³	ISO 1183
Mechanical properties			
Tensile strength at yield	63	N/mm ²	ISO 527-2
Tensile elongation at yield	6	%	ISO 527-2
Tensile strength at break	70	N/mm ²	ISO 527-2
Tensile elongation at break	110	%	ISO 527-2
Elastic modulus	2300	N/mm ²	ISO 527-2
Flexural modulus*	2300	N/mm ²	ISO 178
Izod notched impact strength +23 °C	60	kJ/m ²	ISO 180
Izod notched impact strength -30 °C	10	kJ/m ²	ISO 180
Izod unnotched impact strength +23 °C	NB		ISO 180/U
Izod unnotched impact strength -30 °C	10	kJ/m ²	ISO 180/U
Rockwell hardness*	M70	R-scale	ISO 2039-2
Thermal properties			
Coefficient of linear thermal expansion (23-80 °C)*	70x10 ⁻⁶	K ⁻¹	ISO 2039-2
Vicat temperature VST/B120 (0,45 N/mm ²)	145	°C	ISO 306
Heat deflection temperature HDT A (1,80 N/mm ²)	127	°C	ISO 75-2
Fire properties			
Flammability 1,14 mm*	HB	Class	UL 94
USA (FDA)	Complies		

* Value based on information given from resin supplier.

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.