



ABS ATECH[®] 3400

ABS ATECH[®] is a series of sheets based on ABS which is a raw material with very high impact-strength. ABS also has impressive thermal qualities and is easy to thermoform and fabricate. The ABS ATECH[®] 3400 is a super high impact ABS with a matt colored PMMA top layer.

ALSO AVAILABLE IN:

- ABS ATECH[®] 3400GC Gloss control range with a gloss level to meet your requirements
- ABS ATECH[®] 3440 with matt PMMA surface both sides

RECYCLING

Our total recycling concept (TRC), is a major advantage in today's environmentally friendly market. The TRC concept covers all types of sheets to provide you with cost saving. Off-cuts from the sheets can be used in production of new sheets by co-extruding virgin material as the top layer. Care is taken that all quality requirements are met.

ABS ATECH[®] 3400 BENEFITS:

- Easy to thermoform
- High impact strength
- Good thermal qualities

APPLICATION AREAS:

The great weathering properties and surface gloss makes ABS ATECH[®] 3400 series suitable for both indoor and outdoor applications. For example; advertising, building & construction, industrial machines, automotive etc.

DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width: 2200 mm

Thickness range: 1,5 – 9 mm

Colours: Customer specific colours

Embossing: 00/00, 00/35, other upon request

ABS ATECH® 3400 TYPICAL PROPERTY VALUES

Property	Value	Unit	Standard
Physical properties			
Density	1,07	g/cm ³	ISO 1183
Mechanical properties			
Tensile strength at yield	33	N/mm ²	ISO 527
Tensile elongation at break	55	%	ISO 527
Elastic modulus	1900	N/mm ²	ISO 527
Flexural modulus	2000	N/mm ²	ISO 178
Izod notched impact strength +23 °C	20	kJ/m ²	ISO 180
Izod unnotched impact strength -35 °C	10	kJ/m ²	ISO 180
Thermal properties			
Linear coefficient of thermal expansion (20-70 °C)		K ⁻¹	ISO 11359-2
Vicat temperature VST/B120 (0,45 N/mm ²)		°C	ISO 306
Heat deflection temperature HDT A (1,80 N/mm ²)	86	°C	ISO 75
Mould shrinkage	0,6 – 0,7	%	ISO 294-4

* 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.