



# ATECH<sup>®</sup> 3400

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 ATECH 3400 is a super high impact ABS with a matt colored PMMA top layer.

#### ALSO AVAILABLE IN:

- ATECH 3400GC Gloss control range with a gloss level to meet your requirements
- 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.

#### ATECH<sup>®</sup> 3400 BENEFITS:

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

#### APPLICATION AREAS:

The great weathering properties and gloss characteristics makes 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: 1750 mm

Thickness range: 2 – 8 mm

Colours: Black and customer specific colours upon request

Embossing: 00/00, 00/30, 00/35, 00/40

## ATECH® 3400 TECHNICAL SPECIFICATIONS

Property	Value	Unit	Standard
<b>Physical properties</b>			
Density	1,07	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical properties</b>			
Tensile strength at yield	33	MPa	ISO 527
Tensile elongation at yield		%	ISO 527
Tensile elongation at break	55	%	ISO 527
Elastic modulus in tension	1900	MPa	ISO 527
Flexural strength		MPa	ISO 178
Flexural modulus		MPa	ISO 178
Izod impact, notched +23 °C	20	kJ/m <sup>2</sup>	ISO 180
Izod impact, unnotched -18 °C		kJ/m <sup>2</sup>	ISO 180
Izod impact, unnotched -35 °C	10	kJ/m <sup>2</sup>	ISO 180
Ball indentation hardness		MPa	ISO 2039
<b>Thermal properties</b>			
Linear coefficient of thermal expansion (20-70 °C)		K <sup>-1</sup>	ISO 11359-2
Vicat softening temperature B120		°C	ISO 306
Heat deflection temperature HDT-A	86	°C	ISO 75
Mould shrinkage	0,6 – 0,7	%	ISO 294-4

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.