



# A TECH<sup>®</sup> 2000R

A TECH<sup>®</sup> 2000R is a series of sheets based on regrinded ABS-material which is a material with very high impact-strength. ABS also has impressive thermal qualities and is easy to thermoform and fabricate. The A TECH<sup>®</sup> 2000R is an ABS with a semi-gloss surface that thermoforms quickly and effectively.

#### **ALSO AVAILABLE IN:**

A TECH 2003<sup>®</sup> has extra UV stabilizers added to improve weather resistance

#### **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.

#### **A TECH<sup>®</sup> 2000R BENEFITS:**

- Easy to thermoform
- Good thermal qualities

#### **APPLICATION AREAS:**

Transport trays  
Industrial applications

#### **DELIVERY PROGRAM:**

Standard size: 1250 x 2050 mm  
Max width: 1750 mm  
Thickness range: 2 – 8 mm  
Colours: Black  
Embossing: 00/00, 00/40, 00/50

## ATECH® 2000 TECHNICAL SPECIFICATIONS

Property	Value	Unit	Standard
<b>Physical properties</b>			
Density	1,06	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical properties</b>			
Tensile strength at yield	36	MPa	ISO 527
Tensile elongation at yield	>2	%	ISO 527
Tensile elongation at break	50	%	ISO 527
Elastic modulus in tension	2200	MPa	ISO 527
Flexural strength	68,0	MPa	ISO 178
Flexural modulus	2200	MPa	ISO 178
Izod impact, notched +23 °C	14	kJ/m <sup>2</sup>	ISO 180
Izod impact notched -30 °C	6	kJ/m <sup>2</sup>	ISO 180
Izod impact, unnotched -18 °C		kJ/m <sup>2</sup>	ISO 180
Izod impact, unnotched -35 °C		kJ/m <sup>2</sup>	ISO 180
Ball indentation hardness	100	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	103	°C	ISO 306
Heat deflection temperature	101	°C	ISO 75
Mould shrinkage		%	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.