



ATECH 2000R

ATECH 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 ATECH® 2000R is an ABS with a semi-gloss surface that thermoforms quickly and effectively.

ALSO AVAILABLE IN:

ATECH 2003 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.

ATECH 2000R BENEFITS:

- Easy to thermoform
- Good thermal qualities

APPLICATION AREAS:

Transport trays

Industrial applications

DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width: 2200mm

Thickness range: 1,5 – 9mm

Colours: Black

Embossing: 00/00, 00/35, 00/40, others upon request

ATECH 2000R TYPICAL PROPERTY VALUES

Property	Value	Unit	Standard
Physical properties			
Density	1,06	g/cm ³	ISO 1183
Mechanical properties			
Tensile strength at yield	≥30	N/mm ²	ISO 527-2
Tensile elongation at yield	>2	%	ISO 527-2
Tensile strength at break	25	N/mm ²	ISO 527-2
Tensile elongation at break	>40	%	ISO 527-2
Elastic modulus	1600	N/mm ²	ISO 527-2
Flexural modulus	2000	N/mm ²	ISO 178
Flexural strength	55	N/mm ²	ISO 178
Izod notched impact strength +23°C	25	kJ/m ²	ISO 180/A
Izod notched impact strength -23°C	13	kJ/m ²	ISO 180/A
Izod notched impact strength -30°C	12	kJ/m ²	ISO 180/A
Thermal properties			
Coefficient of linear thermal expansion (20-70 °C)	65x10 ⁻⁶	K ⁻¹	ISO 11359-2
Vicat temperature VST/B 120	96	°C	ISO 306
Heat deflection temperature HDT A (1,80 N/mm ²)	86	°C	ISO 75-2
Mould shrinkage	0,6 – 0,7	%	ISO 294-4

Properties reported here are typical values for ABS. 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.