



A TECH[®] 2000R

A TECH[®] 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[®] 2000R is an ABS with a semi-gloss surface that thermoforms quickly and effectively.

ALSO AVAILABLE IN:

A TECH 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.

A TECH[®] 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® 2000R TECHNICAL SPECIFICATIONS

| Property | Value | Unit | Standard |
|--|-------|-------------------|-------------|
| Physical properties | | | |
| Density | 1,06 | g/cm ³ | ISO 1183 |
| Mechanical properties | | | |
| 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 ² | ISO 180 |
| Izod impact notched -30 °C | 6 | kJ/m ² | ISO 180 |
| Izod impact, unnotched -18 °C | | kJ/m ² | ISO 180 |
| Izod impact, unnotched -35 °C | | kJ/m ² | ISO 180 |
| Ball indentation hardness | 100 | MPa | ISO 2039 |
| Thermal properties | | | |
| Linear coefficient of thermal expansion (20-70 °C) | | K ⁻¹ | 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.