



# ABS ATECH<sup>®</sup> 3300

ABS ATECH<sup>®</sup> 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<sup>®</sup> 3300 is a super high impact ABS with a semigloss top layer of ASA material.

#### ALSO AVAILABLE IN:

- ABS ATECH<sup>®</sup> 3300M with a matt ASA surface
- ABS ATECH<sup>®</sup> 3330 with ASA surface on 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<sup>®</sup> 3300 BENEFITS:

- Weathering performance
- Chemical resistance
- Easy to thermoform
- High impact strength
- Good thermal qualities

#### APPLICATION AREAS:

The weathering properties makes ABS ATECH<sup>®</sup> 3300 the ultimate choice for any outdoor application such as gardening applications, agriculture vehicles, transport vehicles etc.

#### DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width: 2200 mm

Thickness range: 1,5 – 9 mm

Colours: Standard colours and customer specific colours upon request

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

## ABS ATECH® 3300 TYPICAL PROPERTY VALUES

| Property  | Value     | Unit              | Standard  |
|---|-----------|-------------------|-----------|
| <b>Physical properties</b>                                  |           |                   |           |
| Density   | 1,05      | g/cm <sup>3</sup> | ISO 1183  |
| <b>Mechanical properties</b>                                |           |                   |           |
| Tensile strength at yield                                   | 33        | N/mm <sup>2</sup> | ISO 527   |
| Tensile elongation at yield                                 | >2        | %                 | ISO 527   |
| Tensile elongation at break                                 | 53        | %                 | ISO 527   |
| Elastic modulus   | 1900      | N/mm <sup>2</sup> | ISO 527   |
| Flexural modulus*   | 2000      | N/mm <sup>2</sup> | ISO 178   |
| Flexural strength*  | 55        | N/mm <sup>2</sup> | ISO 178   |
| Izod notched impact strength +23 °C                         | 30        | kJ/m <sup>2</sup> | ISO 180   |
| Izod unnotched impact strength -18 °C                       | 20        | kJ/m <sup>2</sup> | ISO 180   |
| Izod unnotched impact strength -35 °C                       | 10        | kJ/m <sup>2</sup> | ISO 180   |
| Ball indentation hardness*                                  | 77        | N/mm <sup>2</sup> | ISO 2039  |
| <b>Thermal properties</b>                                   |           |                   |           |
| Vicat temperature VST/B120 (0,45 N/mm <sup>2</sup> )        | 97        | °C                | ISO 306   |
| Heat deflection temperature HDT A (1,80 N/mm <sup>2</sup> ) | 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.