

ATECH[®] 3700

ATECH is a series of extruded 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 A3700 is a super high impact ABS with a soft touch, super matt, UV stabilized, thermoplastic elastomer on the top surface that is UV stabilized.

CLEANING RECOMMENDATIONS

- Use dry clean air to blow off dust
- Use a mild soap solution or a slightly acidic or alkaline detergent
- Methanol and ethanol can be used in moderate concentrations and short term use
- Always rinse with clean lukewarm water
- Use lint free synthetic cloths or sponges similar to chamois

ATECH[®] 3700 BENEFITS:

- Softtouch feeling with high friction
- Good weathering performance
- Supermatt after thermoforming
- Easy to thermoform
- High impact strength
- Good thermal qualities

APPLICATION AREAS:

The great weathering properties and surface characteristics makes ATECH 3700 series suitable for both indoor and outdoor applications. For example; industrial machines, packaging, automotive etc.

DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width: 1500 mm

Thickness range: 2 – 8 mm

Colours: Standard colours in black and grey and customer specific colours upon request

Embossing: 00/45, other upon request

ATECH® 3700 TECHNICAL SPECIFICATIONS

Property	Value	Unit	Standard
Physical properties			
Density	1,06	g/cm ³	ISO 1183
Mechanical properties			
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	25	kJ/m ²	ISO 180
Izod impact, unnotched -18 °C		kJ/m ²	ISO 180
Izod impact, unnotched -35 °C	15	kJ/m ²	ISO 180
Ball indentation hardness		MPa	ISO 2039
Thermal properties			
Linear coefficient of thermal expansion (20-70 °C)		K ⁻¹	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.