ATECH® 3000

ATECH 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. ATECH 3000 is a super high impact ABS with a semigloss surface that thermoforms quickly and effectively.

ALSO AVAILABLE IN:

- ATECH 3003 has extra UV stabilizers added to improve weather resistance
- ATECH 3000 FA is a food compliant product version
- Stripes for identification purpose
- Dual colouring to optimize to your need

RECYCLING

Our total recycling concept (TRC), is a major advantage in todays 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® 3000 BENEFITS:

- Easy to thermoform
- High impact strength
- Good thermal qualities

APPLICATION AREAS:

In general where a high impact strength material is needed like machine covers, high demanding general purpose & indoor applications.

DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width: 1750 mm

Thickness range: 2 – 9 mm

Colours: 14 standard colours and customer specific colours upon request

Embossing: 00/00, 00/30, 00/35, 00/38, 00/40, 00/42, 00/45, 00/50, 00/57 00/60

ATECH® 3000 TECHNICAL SPECIFICATIONS

Property	Value	Unit	Standard
Physical properties			
Density	1,05	g/cm^3	ISO 1183
Mechanical properties			
Tensile strength at yield	33	MPa	ISO 527
Tensile elongation at yield	>2	%	ISO 527
Tensile elongation at break	55	%	ISO 527
Elastic modulus in tension	1900	MPa	ISO 527
Flexural strength	55	MPa	ISO 178
Flexural modulus	2000	MPa	ISO 178
Izod impact, notched +23 °C	30	kJ/m^2	ISO 180
Izod impact, unnotched -18 °C	20	kJ/m^2	ISO 180
Izod impact, unnotched -35 °C	10	kJ/m^2	ISO 180
Ball intendation hardness	77	MPa	ISO 2039
Thermal properties			
Linear coefficient of thermal expansion (20-70 °C)	$65x10^{-6}$	K^{-1}	ISO 11359-2
Vicat softening temperature B120	97	°C	ISO 306
Heat deflection temperature HDT-A	86	°C	ISO 75
Mould shrinkage	0,6 - 0,7	%	ISO 294-4

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