ATECH® 5100

ATECH® 5100 is PC/ABS sheet coextruded with Matt ABS layer. The product offers good impact strength and wide working temperature range. ATECH® 5100 has good chemical resistance to most common chemicals and offers better fire performance than ABS.

ALSO AVAILABLE IN:

- ATECH 5103 with extra UV stabilizers added to improve weather resistance
- ATECH 5110 with the matt surface on both sides

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® 5100 BENEFITS:

- Matt surface finish after thermoforming
- Easy to thermoform
- High impact strength
- Good thermal qualities

APPLICATION AREAS:

Suitable for demanding automotive parts which are exposed to secondary UV light, and other tough industrial applications where a supermatt finish is required.

DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width: 1450 mm

Thickness range: 3 – 6 mm

Colours: black and customer specific colours upon request

Embossing: 00/00, 00/40, 00/50

ATECH® 5100 TECHNICAL SPECIFICATIONS

Property	Value	Unit	Standard
Mechanical properties			
Tensile strength at Break	55	MPa	ISO 527
Tensile elongation at Break	50	%	ISO 527
Flexural Strength	73	MPa	ISO 178
Izod Impact, unnotched 4 mm +23 °C	NB	kJ/m^2	ISO 180/1U
Izod Impact, unnotched 4 mm -30 °C	NB	kJ/m^2	ISO 180/1U
Izod Impact, notched 3 mm +23 °C	40	kJ/m^2	ISO 180/1A
Izod Impact, notched 3 mm -23 °C	32	kJ/m^2	ISO 180/1A
Ball indentation hardness (H-35.8/30)	87	MPa	ISO 2039/1
Elastic modulus	2000	MPa	ISO 527
Flexural modulus	2100	MPa	ISO 178
Physical properties			
Density	1,16	g/cm^3	ISO 1183
Thermal properties			
Vicat B/120	125	°C	ISO 306
HDT A 1,80 MPa	110	°C	ISO 75
Fire properties			
Flammability 1,6 mm	Class HB		UL 94
Flammability 3,0 mm	< 5	mm/min	US-FMVSS 302

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.

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