ABS ATECH® 2000R

ABS ATECH® 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 ABS ATECH® 2000R is an ABS with a semi-gloss surface that thermoforms quickly and effectively.

ALSO AVAILABLE IN:

ABS ATECH® 2003 has extra UV stabilizers added to improve weather resistance.

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.

ABS ATECH® 2000R BENEFITS:

- Easy to thermoform
- Good thermal qualities

APPLICATION AREAS:

Transport trays

Industrial applications

DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width: 2200mm

Thickness range: 1,5 – 9mm

Colours: Black

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

Version 2023-09-26

ABS ATECH® 2000R TYPICAL PROPERTY VALUES

Property	Value	Unit	Standard
Physical properties			
Density	1,06	g/cm^3	ISO 1183
Mechanical properties			
Tensile strength at yield	≥30	N/mm^2	ISO 527-2
Tensile elongation at yield	>2	%	ISO 527-2
Tensile strength at break	25	N/mm^2	ISO 527-2
Tensile elongation at break	>40	%	ISO 527-2
Elastic modulus	1600	N/mm^2	ISO 527-2
Flexural modulus	2000	N/mm^2	ISO 178
Flexural strength	55	N/mm^2	ISO 178
Izod notched impact strength +23°C	25	kJ/m^2	ISO 180/A
Izod notched impact strength -23°C	13	kJ/m^2	ISO 180/A
Izod notched impact strength -30°C	12	kJ/m^2	ISO 180/A
Thermal properties			
Coefficient of linear thermal expansion (20-70 °C)	$65x10^{-6}$	K^{-1}	ISO 11359-2
Vicat temperature VST/B 120	96	°C	ISO 306
Heat deflection temperature HDT A (1,80 N/mm^2)	86	°C	ISO 75-2
Mould shrinkage	0,6 – 0,7	%	ISO 294-4

Arla Plast AB • BOX 33 • SE 591 06 Borensberg • Sweden
Phone: +46 141 20 38 00 • Fax: +46 141 414 30 • E-mail: info@arlaplast.com • www.arlaplast.com

arla
www.arlaplast.com