

TECHNICAL DATA SHEET

ABS

(acrylonitrile butadiene styrene)

ABS sheets are extruded sheets which are made of ABS raw materials.

		Unit	Test method, ISO	Values
Density		g/cm ³	1183	1,05
Yield stress		MPa	527-2/1B/20	35
Tensile strain at break		%	527	18
Charpy unnotched impact strength	23°C	kJ/m ²	179/1epA	30
Charpy notched impact strength	-30°C	kJ/m ²	179/1epA	25
Charpy unnotched impact strength	23C	kJ/m ²	179/1epA	25
Charpy notched impact strength	-30°C	kJ/m ²	179/1epA	13
Heat deflection temperature (HDT)	1.80 MPa	°C	75-2Ae	87
Vicat softening temperature	50H/50°C	°C	306/B50	95

All above values apply to thermoplastics immediately after extrusion, with no aging effect.

Chemical properties:

Under normal ambient conditions, the plastic sheet resists acids, alkalies, light and oxygen, it is also oil- and water-proof. The plastic easily dissolves in carboxylic acids, esters, incl. intrinsic monomers, ketones, chlorinated and aromatic hydrocarbons.

Electric properties:

ABS sheets shows good insulation properties and high dielectric strength.

Processing methods:

ABS can be subjected to all types of machining:

- milling;
- cementing;
- all types of forming;
- blanking;
- laser cutting, etc.

Scope of application:

Plastics of ABS compound are used for thermal forming of different sanitary products: baths, water basins, shower cabin modules, pans for showers, fountains, sauna elements, furniture and bathroom finishing. It is also good for refrigerator components, door & exterior trim in car building, can be helpful in production of outdoor advertising and retail/store equipment.

Form of delivery: Thickness

: up to 10 mm. Width :
up to 2,000 mm.