ABS plastic sheets combine high impact resistance, good weather resistance. ABS-sheets was produced by monolayer or monolayer or multilayer extrusion. ABS-sheets can be made with smooth or structural surface, various colors or gradations which includes mat. UV-resistance is possible.

<table>
<thead>
<tr>
<th></th>
<th>Unit</th>
<th>Test method, ISO</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>g/sm³</td>
<td>1183</td>
<td>1,05</td>
</tr>
<tr>
<td>Yield stress</td>
<td>mPa</td>
<td>527-2/1B/20</td>
<td>33</td>
</tr>
<tr>
<td>Tensile strain at break</td>
<td>%</td>
<td>527</td>
<td>25</td>
</tr>
<tr>
<td>Charpy unnotched impact strength</td>
<td>23°C</td>
<td>kJ/m²</td>
<td>179/1epA</td>
</tr>
<tr>
<td>Charpy notched impact strength</td>
<td>-30°C</td>
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<td>-30°C</td>
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</tr>
<tr>
<td>Heat deflection temperature (HDT)</td>
<td>1,8 mPa</td>
<td>°C</td>
<td>75-2Ae</td>
</tr>
<tr>
<td>Vicat softening temperature</td>
<td>50H/50°C</td>
<td>°C</td>
<td>306/B50</td>
</tr>
</tbody>
</table>

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.

Physical properties:
- high hardness,
- resistance to temperature changes
- atmospheric resistance.

**Operating temperature:**
- heat resistance - 110-130°C
- short-duration heating – 90-100°C
- long-term usage – 75-80°C

**Flammability:**
- ignites under the influence of flame or appropriate amount of heat
- flaimingly and unstable burns with smoke black.
- self-ignition - 350°C

**Electric properties:**
- high electrical resistance
- high dielectric loss.

**Processing methods:**
- milling;
- cementing;
- overprinting
- all types of forming;
- blanking;
- laser cutting,
- overprinting

**Scope of application:**
- interior and exterior plastic spare parts for bus, vehicle, tractor (dashboards, wings, bumpers, roofs and etc.)
- furniture, suitcases.
- inside parts of refrigerators, iceboxes.
- advertising,
- sanitary equipment
and more...

**Form of delivery:**
Thickness: up to 10 mm.
Width: up to 2,200 mm.