

### Acrylic Capped ABS Sheet

#### Technical Specification

Properties	ISO Test Method	Unit	Base	Capping
Density	ISO 1183	g/cm <sup>3</sup>	1.05	1.17
Izod Impact Strength (notched)	ISO 180	J/m	220	32
Flexural Strength	ISO 178	Mpa	70	88.5
Tensile Strength	ISO 527	Mpa	47	63
Falling Dart Impact Strength <sup>2</sup>	ISO 6603-1	J	31	31
Vicat Softening Temperature	ISO 306a	°C	110	106
Heat Deflection Temperature	ISO75a	°C	101	93

<sup>1</sup>Property evaluations on injection moulded unpigmented material. <sup>2</sup> 4.0mm unpigmented extruded sheet. <sup>3</sup>Density values vary with pigmentation.

#### Acrylic Capped ABS Material Safety Data Sheet

##### Physical Properties

- Flat sheet
- Smooth or embossed finishes
- Melting point 130°C
- Specific gravity 1.15-1.19g/cm<sup>3</sup>
- Bulk density- 650kg/m<sup>3</sup>
- Insoluble in water
- Percentage volatiles by volume – negligible

##### Fire & Explosion Data

Auto ignition temperature 390°C. Extinguishing media - Water fog, foam carbon dioxide dry chemical.

##### Ingredients

Capping - Methyl methacrylate polymer.

Note: This Material Safety Data Sheet should be read in conjunction with that pertaining to the capped material.

##### Emergency & First Aid Procedures

In case of fire an aqualung is obligatory

##### Health Effects Data

Effects of inhalation; fumes from thermal decomposition and dust generated from machining may cause temporary breathing difficulties. Effects of ingestion - non toxic. Eye contact; Fumes or dust may cause irritation. Skin contact; hot material may cause burns.

##### First Aid

First aid for inhalation; remove victim to fresh air, seek medical attention if symptoms persist. First Aid for ingestion; seek medical attention if symptoms develop. First Aid for eye contact- flush eye with water. First Aid for skin contact- cool burns with water, seek medical attention for removal of molten material.

##### Protective Clothing / Control Measures

Respiratory protection; Dust masks should be available. Eye protection - use safety glasses. Thermal gloves and protective clothing should be worn. Ventilation requirements - good local and adequate general ventilation should be ensured.

##### Emergency Procedures

Spillage; lift spillage mechanically.

##### Waste Disposal

Controlled waste; No. Preferred disposal method – incineration or sanitary landfill, regarding local legal requirements.

##### Ecological Hazards

Water hazard; no ecological hazard. Land hazard – no hazard.

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