

Product Handling Information Document

Extruded sheet based on ABS

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COMPANY

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PRODUCT NAME

ATECH 2000R, ATECH 2003R, ATECH 2100R, ATECH 2103R, ATECH 2110R, ATECH 2113R
ATECH 3000, ATECH 3003
ATECH 3100, ATECH 3103, ATECH 3110, ATECH 3113
ATECH 3200, ATECH 3203, ATECH 3220, ATECH 3223
ATECH 3300, ATECH 3330
ATECH 3400, ATECH 3440

AREA OF USE

Extruded thermoplastic sheet to be used for industrial conversion to various components or used as such.

COMPOSITION/CLASSIFICATION OF SUBSTANCES

Basic material 80-100%:

ABS: Acrylonitrile-Butadiene-Styrene copolymer CAS 009003-56-9

ATECH 3300:

ASA: Acrylonitrile-Styrene-Acrylate copolymer CAS 26299-47-8

ATECH 3200 and ATECH 3400:

PMMA: Methyl Methacrylate -Ethyl Acrylate copolymer CAS: 9010-88-2

HAZARDS IDENTIFICATION

Extruded sheets are not hazardous products and the polymer is in general an inert material with low degradability in ground environment.

FIRST AID MEASURES

Inhalation

In case of irritation from inhalation of fumes, leave contaminated area to breath fresh air. If coughing, difficult breathing or any other symptoms develop, seek medical attention.

Skin

In case of skin contact with molten plastic, cool rapidly with water. Seek medical attention. Do not attempt removal of plastic without medical assistance. Do not use solvents for removal. Flush skin thoroughly with water. Seek medical attention if rash or burns occur.

Eye

In case of dust particles in eye, rinse with water. Seek medical attention if irritation remains.

FIRE FIGHTING MEASURES

Extinguishing media

Water, CO₂, Powder, Foam.

Water is the preferred extinguishing medium due to the cooling capacity. Proper cooling is essential, otherwise material may re-ignite.

Protection

Fire men have to wear approved protective clothing and self-contained breathing apparatus.

Hazardous Combustion Products

Hazardous combustion products may include dense smoke that contains decomposition products with various content plus carbon dioxide and carbon monoxide.



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HANDLING AND STORAGE

Handling

Ensure adequate ventilation or exhaust ventilation in the working area. Avoid inhalation of dust.

Storage

Inert material under normal storing conditions. Should be stored indoor, protected from heat and direct sunlight.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Strong heat, as processing at too high temperatures, can give fumes that irritate eyes or throat. Fumes evolved by overheating may contain monomers, hydrogen carbons and their oxidation products, see table below for thresh hold levels of monomers.

Name	CAS-no.	Lower treshold
Styrene	100-42-5	90 mg/m ³ ; 20 ppm
Acrylo nitrile	107-13-1	4,5 mg/m ³ ; 2 ppm
1,3-Butadiene	106-99-0	0,5 ppm
n-butylacrylate	141-32-2	50 mg/m ³ ; 10 ppm
MMA	80-62-6	200 mg/m ³ ; 50 ppm
Dust	-	5 mg/m ³

Provide good ventilation. Adequate general ventilation of the work place is sufficient for most processes. If dust is formed during processing, use respirator approved for protection from dust. Work clothes, covering arms and legs, are recommended if working with heated material. Use protective eye wear during cutting/machining of sheet products.

Physical and Chemical properties

Physical State	Solid
Colour	Dependent of colouring agent
Odour	Faint odour
Melting Range	90 – 130 °C
Decomposition Temperature	> 300 °C
Water Solubility	Insoluble
Vapour pressure	Not applicable
Specific weight	1,05 – 1,09 (25 °C)
Flash point	> 385 °C
Ignition temperature	> 400 °C
Explosive limits	Not applicable

RECYCLING AND RECOMMENDATIONS FOR DISPOSAL

Recycling

This product can be recycled. Please contact Arla Plast AB for information.

Waste Disposal

This product is not regarded as hazardous waste. Dispose in accordance with local regulations.

OTHER INFORMATION

This publication provides information and guidelines for safe handling and secondary fabrication of above ABS products and is based on currently available experience and knowledge. The data does not signify any warranty with regards to product properties.

