

PRODUCT HANDLING INFORMATION SHEET

LUMEX® A, LUMEX® G EXTRUDED SHEETS

1. Identification of substance / preparation and of the company

Trade names: **LUMEX® A and LUMEX® G**

Manufacturer: Foamalite Ltd.
Loch Gowna, Co. Cavan
H12 VW84
Ireland
Phone +353 43 66 83 525
Fax +353 43 66 83 523

Use: Flat sheets (semi-finished products) for visual communication, construction and industrial applications

2. Hazards identification

Not classified as dangerous according to EC directive 1272/2008. If used as intended, LUMEX® A and LUMEX® G sheets do not constitute any risk to public health and the environment.

3. Composition/Information on ingredients

Rigid thermoplastic sheets made of amorphous Polyethylene Terephthalate or proprietary Copolyester. Colours, additives. Sheets are produced by extrusion.
LUMEX® A: CAS No.: 25038-59-9
LUMEX® G: CAS No.: 25640-14-6

4. First aid measures

Inhalation of processing fumes or smoke from fire: After accidental inhalation of fumes from overheating or combustion, move to fresh air. Seek medical assistance.

Skin contact: Cool skin rapidly with cold water after contact with molten polymer. Do not attempt to peel polymer from the skin. Seek medical treatment for thermal burn.

Eye contact: Wash with plenty of fresh water and seek medical assistance.

Ingestion: Ingestion is not expected. Seek medical assistance if symptoms develop.

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5. Fire-fighting measures

Suitable extinguishing media:
 Unsuitable extinguishing media:
 Special hazards:

Water, dry extinguishing media, foam, carbon dioxide
 High pressure water streams
 Fire will produce irritating and/or toxic gases. If inhaled may be harmful. In case of fire wear self-contained breathing apparatus.

Further information:

Dispose of fire residues and contaminated extinguishing water in accordance with local regulations.

6. Accidental release measures

No special measures required.
 Remove dust by mechanical means or wet sweeping.

7. Handling and storage

Handling:

Ensure good ventilation and dust extraction/local exhaustion on processing machines and at other places where dust may develop.

Storage:

Dry storage, keep in original packaging, protect from direct sunlight, environmental impact.

8. Exposure controls / Personal protection

General exposure and protection measures:

Ensure good room ventilation.
 In the case of usual handling no special protective equipment will be necessary.
 During processing such as sawing, milling, cutting etc hazardous respirable dust may be formed. Do not breath dust. Do not breathe fumes from hot polymer. Use corresponding respiratory protection or suitable ventilation.

Respiratory protection:

Dust filter type P1 in case of fine dust creation.

Skin protection:

Safety gloves in case rough or sharp edges may cause cuts

Eye protection:

Safety glasses or complete face protection.

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9. Physical and chemical properties

Physical state:	Rigid, solid plastic sheets.
Colour:	Clear or coloured
Odour:	None
Melting temperature	248 °C
Glass transition temperature:	83 °C
Auto-ignition temperature:	LUMEX® A: > 500 °C LUMEX® G: >400 °C
Density:	LUMEX® A: 1300 ~ 1400 kg/m ³ LUMEX® G: 1200 ~ 1300 kg/m ³
Solubility:	Insoluble in water. Soluble in organic solvents

10. Stability and reactivity

General information:	Stable under normal conditions.
Chemical stability:	Stable under normal conditions.
Conditions to avoid:	Ignitions sources (heat, sparks or flames). Avoid thermal decomposition. Do not overheat. Thermal decomposition, burning or faulty handling may produce noxious gases and vapours. Thermal decompositions release carbon dioxide, carbon monoxide, acetaldehydes, monomers, steam and other degradation products. Avoid creating dust (dust may form explosive mixtures with air)
Incompatible materials:	Acetic anhydrides, benzenes, chloroform, acetone, dimethylformamide, chromic acid.

11. Toxicological information

Acute toxicity:	No acute toxicity known.
Mobility:	Insoluble in water, no data available on mobility in soil.

12. Ecological information

Ecotoxicity:	Negligible.
Persistence and degradability:	No data available.

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13. Disposal considerations

EWC Code 120105 Wastes from shaping and physical and mechanical surface treatment of metals and plastics – plastic shavings and turnings

EWC Code 170203 Construction and demolition wastes - Plastics

LUMEX® A and LUMEX® G can be recycled. Recycling is the preferred waste treatment method. Material can be melted again and processed.

LUMEX® A and LUMEX® G waste can be incinerated when in compliance with local laws.

Disposal by incineration must only be undertaken in facilities which are equipped with a flue gas cleansing unit.

14. Transport information

UN classification number:.

Not classified as dangerous according to transport regulations.

Transport hazard class:

Not required as not classified as dangerous.

Packing group:

Not required as not classified as dangerous.

Environmental hazard:

Not required as not classified as dangerous.

Special precaution for user:

Not required as not classified as dangerous.

15. Regulatory information

CLP Regulation (EC) 1272/2008:

LUMEX® A and LUMEX® G sheets are not classified

16. Other information

All LUMEX® A and LUMEX® G sheets are in compliance with the REACH directive.

They are extruded from amorphous Polyethylene Terephthalate or proprietary Copolyester. Colours, additives. Our products are not dangerous goods and therefore do not need safety data sheets as required by REACH or GHS.

We provide information for the safe handling of our products as a customer service and to highlight possible hazards in case of improper processing. The worst case is when this polymer is subjected to excessive heating during processing, the polymer chain might be cracked into its original components, which are then considered as harmful substances.

Information contained herein is based on the present state of our knowledge and therefore does not guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.