

DATA SHEET - PETG



Material Safety Data Sheet for LUMEX® A and LUMEX® G

according to Regulation (EC) No. 1907/2006

Revised: 17.08.2016

SECTION 1 Identification of substance / preparation and of the company

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

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

Manufacturer: Stephen Webster Plastics

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Telephone: 01727 863138

SECTION 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.

SECTION 3 Composition / Information on ingredients

Rigid thermoplastic sheets made of amorphous Polyethylene Terephthalate or proprietary Copolyester.

Sheets are produced by extrusion.

LUMEX® A: CAS No.: 25038-59-9

LUMEX® G: CAS No.: 25640-14-6

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SECTION 4 First aid measures

Inhalation of processing fumes or smoke from fire:

After accidental inhalation of fumes from overheating or combustion, move the person concerned to fresh air.

Seek medical assistance if breathing difficulties occur.

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:

No special measures required as ingestion is not expected.

Seek medical assistance if symptoms develop.

SECTION 5 Fire-fighting measures

Suitable extinguishing media:

Water spray, foam.

Extinguishing media which must not be used:

Direct water jet.

Thermal decomposition products:

Predominantly Acetaldehyde (emits acrid smoke, irritating fumes)

Hazardous combustion products:

Carbon Dioxide, Carbon Monoxide.

Breathing equipment with independent air supply is required for firefighting.

SECTION 6 Accidental release measures

No special measures required.

Remove dust by mechanical means or wet sweeping.

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SECTION 7 Handling and storage

Handling: Ensure good ventilation and dust extraction on processing machines and at other places where dust may develop.

Storage: Dry storage, protect from direct sunlight.

SECTION 8 Exposure controls / Personal protection

General protection measures: Do not breathe fumes from hot polymer.

Personal protection equipment:

Respiratory protection:	Efficient breathing mask.
Skin (hand) protection:	Gloves against sharp edges.
Eye protection:	Safety goggles if machining.

SECTION 9 Physical and chemical properties

Physical state:	Rigid, solid plastic sheets.
Colour:	Colourless or various colours.
Odour:	None
Glass transition temperature:	83 °C
Melting temperature:	248 °C
Auto-ignition temperature:	LUMEX® A: > 500 °C LUMEX® G: 454 °C
Density:	LUMEX® A: 1390 kg/m ³ LUMEX® G: 1270 kg/m ³
Solubility:	Insoluble in water. Medium solubility in acetone.

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SECTION 10 Stability and reactivity

General information:	Stable under normal conditions.
Chemical stability:	Stable under normal conditions.
Conditions to avoid:	Avoid creating dust (dust may form explosive mixtures with air).
Incompatible materials:	Acetic anhydrides, benzenes, chloroform, acetone, dimethylformamide, chromic acid.
Hazardous thermal decomposition products:	Acetaldehydes Carbon dioxide Carbon monoxide

SECTION 11 Toxicological information

Acute toxicity:	No acute toxicity known.
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SECTION 12 Ecological information

Ecotoxicity:	Negligible.
Persistence and degradability:	No data available.
Mobility:	Insoluble in water, no data available on mobility in soil.

SECTION 13 Disposal considerations

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

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SECTION 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.

SECTION 15 Regulatory information

LUMEX® A and LUMEX® G sheets do not require special markings under the dangerous substances and preparation directive 67/548/EEC.
A chemical safety assessment is not available.

SECTION 16 Other information

This combined safety data sheet for LUMEX® A and LUMEX® G replaces the issues 004 and 005 released in 2013. LUMEX® A and LUMEX® G sheets are articles. For this reason, there is no legal obligation to compile a SDS (MSDS) in accordance with Article 31 of REACH for LUMEX® A and LUMEX® G sheets. However, this document provides relevant information on LUMEX® A and LUMEX® G sheets which may be useful in order to identify and implement appropriate risk management procedures.

The information given in this material safety data sheet is accurate to the best of our current knowledge and experiences, but without any guarantee. The safety data sheet describes LUMEX® A and LUMEX® G sheets with regard to safety requirements. The information given does not represent a guarantee of the properties and quality of the material.