

# MATERIAL SAFETY DATA SHEET

## POLYETHYLENE PROFILE EXTRUSIONS

The data presented here applies to all **Loxcreen** PE extrusions whose first four digits fall between V0001-V7000. Although the above extrusions may vary in terms of physical properties or other characteristics, safety and handling precautions are similar for all.

### SECTION I: PRODUCT IDENTIFICATION

Manufacturers name:	The Loxcreen Company, Inc.
Address:	P.O. Box 386, Brooklet, Ga. 30415
Phone:	912-842-2439
Chemical Name/Synonyms:	LDPE, Polyethylene
Formula:	$\text{CH}_3 - (\text{CH}_2)_n - \text{CH}_3$
Chemical Family:	Polyolefin
CAS registry number:	Not applicable to extrusions
Transportation Emergency :	Telephone CHEMTREC: 800-424-9300
Date:	8/25/95

### SECTION II: HAZARDOUS INGREDIENTS

Polyethylene profile extrusions are articles made of PE compounds . The ingredients are bound up in the manufacturing process and are not expected to create any hazard when handled or processed in accordance with good manufacturing and industrial hygiene practices.

### SECTION III: PHYSICAL DATA

Solubility in water:	Insoluble
Specific Gravity:	Range 0.922 to 0.960 g/cc
Appearance & odor:	Pigmented or unpigmented extrusions, slight ester odor.
Other:	Characteristics such as vapor pressure, vapor density, boiling point and evaporation rate are not applicable.

### SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash ignition temp.:	NA
Self ignition temp.:	600 F

#### Extinguishing Media:

Use water spray, dry chemical, foam or carbon dioxide. If possible, water should be applied as a spray from a fogging nozzle since EVA is a surface burning material.

#### Special Fire Fighting Procedure:

Firefighters should wear self-contained breathing apparatus in the positive pressure mode with a full facepiece when there is a possibility of exposure to smoke, fumes or hazardous decomposition products. The application of high velocity water will spread the burning surface layer.

#### Combustion Products:

Thermal decomposition products may include C, CO, CO<sub>2</sub>, H<sub>2</sub>O, organic vapors and acetic acid fumes.

## SECTION V: HEALTH HAZARD DATA

Inhalation: Nuisance dust may be caused by handling and some operations. Fumes may be generated in operations using heated PE.  
Ingestion: Not known.  
Eye Contact: Not known.  
Skin Contact: Heated material can cause serious burns to unprotected skin.

### Emergency and First Aid Procedure

If irritation from exposure to processing fumes persists, remove affected individual, call a physician and provide suitable protection before re-entry.

## SECTION VI: REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur.  
Hazardous decomposition products: Carbon, Carbon Monoxide, Carbon Dioxide, water, organic vapors and acetic acid fumes.  
Incompatibility: May burn or react violently with fluorine-oxygen mixtures with 50 to 100% fluorine.

## SECTION VII: SPILL OR LEAK PROCEDURE

Normal procedures for clean up, use good housekeeping practices. Contain spilled material, transfer to secure containers. All recovered material should be packaged, labeled, transported, and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

## SECTION VIII: SPECIAL PROTECTION INFORMATION

Ventilation: Provide effective ventilation to draw fumes away from workers to prevent routine inhalation.  
Respiratory Protection: Where exposure to nuisance dust can exceed acceptable criteria, use NIOH/MSHA approved respiratory protection equipment.  
Protective Equipment: Gloves for handling hot materials.  
Eye Protection: Safety glasses are recommended for all industrial workplaces.

## SECTION IX: SPECIAL PRECAUTIONS

Fabrication may cause nuisance dust to be formed and necessary precautions for personal protection should be used.

## SECTION X: TRANSPORTATION

Polyethylene extrusions are not classified as hazardous by the U.S. Dept. of Transportation.

## SECTION XI: HAZARD CODES

The compounds for this product are listed in the TSCA Inventory of Chemical Substances.

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