

# MATERIAL SAFETY DATA SHEET

## Product Name: **GreenFoam™ Recycled Pad**

1. Manufacturer : Poly-Green Foam, LLC
2. MATERIAL COMPOSITION: Post industrial cross-link, closed cell Polyethylene – polyolefin foam waste.
2. PHYSICAL PROPERTIES: Inert, not effected by water or soil exposure  
Resistant to most Chemicals inclusive Petroleum products  
Dimensional stability: -40C up to + 45C linear shrinkage <5%  
Density: 4 to 7 lbs per cu/ft  
Melting Point: 110C to 150C  
Flash Point: 420C to 440C  
Combustion Temp. 430C to 450C  
Explosive Properties: none  
Odour: none
3. ENVIRONMENTAL HAZARDS: none  
Do not contain any hazardous substances or generate any harmful emissions, (CFC's, HCFC's, Heavy Metals etc.)
4. FIRST AIDE MEASURES: If swallowed seek medical advise
5. FIRE FIGHTING MEASURES: Suitable extinguishing material, Dry powder, Carbon dioxide, Water spray jet.  
  
In the event of fire the following can be released: Carbon Monoxide (CO) and/or Carbon dioxide (CO2)  
Firefighters shall use breathing apparatus with independent air supply.
6. REACTIVITY: Stable (under normal conditions)  
Condition to avoid: none  
Hazardous Polymerization: none  
HMIS ratings (Scale 0 – 4)  
Health: 0, Flammability: 1, Reactivity: 0
7. HANDLING, TRANSPORTATION, STORAGE: No special instructions or requirements.  
Protect against fire, material is combustible
8. EXPOUSURE PROTECTION: Avoid contact of molten material with skin
9. HAZARDOUS DECOMPOSITION PRODUCT: Carbon Monoxide (CO)
10. HEALTH HAZARDS: none, no evidence of adverse toxicity during normal use
11. DISPOSAL CONSIDERATION: Non hazardous material, Landfill or incineration disposal subject to local regulatory requirements.

The information contained herein, is based on the best of manufacturers knowledge. It describes the product with the appropriate safety precautions, however it does not represent or imply a guarantee of the properties of the product.

# *Poly-Green Foam*

## *GreenFoam Playground Pad*

GreenFoam Playground Pad is a high quality environmentally friendly impact absorbing and drainage pad for use beneath commercial and residential synthetic turf playground systems.

GreenFoam Playground Pad is completely non-microbial and provides for years of use without decay, deformation mold or fungus growth.

Green Foam Playground Pad's unique drainage characteristics allow water to drain very rapidly both vertically and horizontally. Kids can be playing on playground in just a short amount of time after rain stops. This means many more hours of enjoyable play each year.

- Safe and Long Lasting – 10 Year Warranty
- Provides a soft, safe cushioning system beneath synthetic turf systems.
- Cost Effective – up to 100% less expensive than competitive impact absorption and drainage pads.
- Excellent Permeability and transmissivity.
- Provides rapid water drainage.
- Provides for consistent ASTM F1292 HIC & Gmax ratings independent of infill used in turf. Test results – available upon request.
- Environmentally Friendly – made from 98% recycled material and is 100% recyclable.
- Enhanced impact absorption.
- Reduces need for substantial excavation.
- Reduces need for expensive drainage systems.
- Has geotextile on one side to inhibit weed growth.
- Manufactured in USA.
- Reduces or eliminates aggregate (crushed stone) use (subject to soil conditions)



Poly-Green Foam, LLC

1705 Gulf

Lamar, MO 64759

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# Product Data Sheet

**Material Composition:** 98% Recycled, non contaminated, post industrial, cross-link, closed cell polyethylene foam

**Installation** GreenFoam Pad can be installed on a properly compacted base maintaining a slope grade of 0.5% to 3%.

PROPERTY	MEASURE	TEST METHOD	VALUE
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## 2" Playground Pad

Weight:	Direct		.75 lbs per square foot
Thickness:	Direct		2" + 1/8"
Density:	Average		4-7 lbs/cu.ft
Tensile strength:		ASTM 3574	34 - 36 PSI

## Hydraulic Behavior

Transmissivity <sup>2</sup> :		ASTM 4716,	
	Average	250 PSF; .5% slope	Flow Rate – 4.59 Gal/Min/Ft
Permeability		ASTM D 2474	36 Gal/Min/Sq Ft

## 1" Playground Pad

Weight:	Direct		.50 lbs per square foot
Thickness:	Direct		1" + 1/8"
Density:	Average		4-7 lbs/cu.ft
Tensile strength:		ASTM 3574	34 - 36 PSI

## Hydraulic Behavior

Transmissivity <sup>2</sup> :		ASTM 4716,	
	Average	250 PSF; .5% slope	Flow Rate – 1.03 Gal/Min/Ft
Permeability		ASTM D 2474	36 Gal/Min/Sq Ft



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