



As innovators of earth friendly plastic products... we are proud of now being part of the cutting edge way of combining performance and ecological responsibility with our recycled foam pvc board.



Recycled Foam PVC

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As innovators of earth friendly plastic products we are proud to present a bio-degradable extruded foamed (PVC) sheet called Foamacell™ BioBoard. Foamacell BioBoard is a unique and proprietary developed foamed (PVC) sheet designed to break down in Landfills into inert humus. Our bio-degradable formulation is made with bio-active ingredients and is compounded in the United States. The Final products has the same physical properties as the original Foamacell™ foam pvc sheet, but allows the product to break down in landfills not on your shelf or display. Foamacell BioBoard's unique formulation insures that the sheet will perform the same as our original Foamacell (PVC) sheet, lending as a perfect bio-degradable sheet for the following applications: digital printing, UV drying, screen printing, thermoforming, painting and gluing.

Product Information

- Polyvinyl Chloride Foam PVC
- 99% Virgin / 1% Microbial Metabolism
- Density Available: 0.55 g/cc - 0.65 g/cc - 0.70 g/cc
- Thickness: 1 mm thru 12 mm
- Width: standard stock 48 inches
- Length: standard stock 96 inches / custom sizes available
- Colors: white and black

Benefits

- 1-7 years to become fully bio-degraded depending on sheet size
- Indefinite shelf life
- OSHA approved as Non-Hazardous for handling
- Not affected by light, moisture, UV dryers, heat or printing
- Same physical properties of our standard Foamacell
- Digital and screen printable
- ASTM D 5210-92(2000) Certified to Biodegradable in anaerobic environments

Recommended Application

- Packaging
- P.O.P. display markets
- Signage
- Exhibition and Trade Shows
- Digital printing
- UV drying
- Thermoforming
- Gluing
- Painting
- Screen printing

Properties	Unit	Results
<u>Physical</u>		
Density	g/cm3	0.5-0.7
Hardness Shore	D	>60
Oxigen Ratio	%	>35
Water Absorption	%	>1.5
<u>Mechanical</u>		
Tensile Strength	Mpa	>10-15
Breakage Elongation	%	>10-15
Elasticity Modulas	Mpa	>600
Bending Intensity	Mpa	12-18
Impacting Intensity	KJ/m2	>15
Flextural Strength	Mpa	>32
Compressive Strength at 10% Deformation	Mpa	>6.5
<u>Electrical</u>		
Dielectric Strength	KV/cm	≥90
<u>Thermal</u>		
Vicat Softening Temperature	o C	73-76
Coefficient of Linear Expansion	mm/m o C	0.08
Thermal Conductivity	W/m K	0.05-0.07
<u>Flammability</u>		
Smoke Density MSD	%	68.33
Fire Resistance		Self extinguishing
MSDS		less than 5 seconds

Listed below is our inventory that we currently have in stock. Please note that while empty areas are not stocked they can be made upon request.

Foamacell 4x8 Sheets

Inches	Size mm	Shts/Plt	Lbs/Sht	White	Black	Color
0.040	1mm	500	5.91			
0.080	2mm	264/300	9.19			
1/8" - 0.118	3mm	200	12.8	20x10	20x10	
0.157	4mm	150	14.44			
0.197	5mm	120	18.05			

1/4" - 0.236	6mm	100	21.66	10x10	10x10
3/8" - 0.394	10mm	60	36.09	6x10	
1/2" - 0.472	12mm	50	43.31	5x10	
3/4" - 0.748	19mm	30	68.58		
1" - 0.984	25mm	22	90.24		

Foamacell 4x10 Sheets

Inches	Size mm	Shts/Plt	Lbs/Sht	White	Black	Color
1/8" - 0.118	3mm	200	13.54			
1/4" - 0.236	6mm	100	27.07			
3/8" - 0.394	10mm	60	45.12			
1/2" - 0.472	12mm	50	54.14			

Foamacell 4x12 Sheets

Inches	Size mm	Shts/Plt	Lbs/Sht	White	Black	Color
1/8" - 0.118	3mm		19.18			

Foamacell 5x8 Sheets

Inches	Size mm	Shts/Plt	Lbs/Sht	White	Black	Color
1/8" - 0.118	3mm	175	16.05			
1/4" - 0.236	6mm	75				

Foamacell 5x10 Sheets

Inches	Size mm	Shts/Plt	Lbs/Sht	White	Black	Color
1/8" - 0.118	3mm	125	16.92			
1/4" - 0.236	6mm	60	33.84			