



MSDS SHEET

Foam PVC Sheet

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PVC free foam board - Foamacell tm Advertisement sign, architecture
Production Use:
Representative's Name: PLASTIC TRADING INTERNATIONAL

PRODUCT SIZE

Standard Dimension width: 1220 mm
length: customer requirement

PHYSICAL & MECHANICAL CHARACTERISTICS

Density: 0.55-0.70 g/cm³
Tensile Strength: 12-20 mpa
Bending Intensity: 12-18 mpa
Bending Elasticity Modulus: 800-900 mpa
Impacting Intensity: 8-15 kj/sqm
Breakage Elongation: 15-20%
Shore Hardness D: 45-50 (D type)
Water Absorption: not less than 1.5%
Vicar Softening Point: 73-76 degree Celsius
Fire Resistance: self-extinguishing in less than 5 seconds

FIRE SAFETY

Flammability is not applicable. Self-extinguishing in less than 5 seconds

COMPONENTS AND HAZARD CLASSIFICATION

PVC Polymer: PVC 100
Insert Filters: 14% CaCO₃, TiO₂
Heat Stabilizer: 7.0% Organotin Compounds
1.8% Calcium Stearate, Paraffin, Polyethylene, Polyamide
Lubricants: compounds
or Esters
Process Aid: 18% Acrylic Compounds
Impact Modifiers: 2.5% CPE, ABS, MBS, or Acrylic Compounds
Colorants: Organic and inorganic
Chemical Blowing Agents: 1.0% Azo Compounds or Sodium Bicarbonate

This product is an article as defined in 29CFR 1910. 1200. It will not result in exposure to hazardous chemicals under normal conditions of use. This product is not subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and reauthorization Act of 1986 and 40 CFR part 372



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PLASTIC TRADING INTERNATIONAL

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3612 Ventura Dr. East

Lakeland, FL 33811

www.plastictradingint.com



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PHYSICAL DATA

Boiling Point (°F):

Specific Gravity:

Vapor Pressure (MMHG):

Melting Point:

Solubility in Water:

Vapor Density:

Appearance and Odor:

Solid

H₂O = 1

Solid

Decomposes before melting

Solid

Solid

Finished sheet

FIRE AND EXPLOSION DATA

Flash Point (Test Method):

Autoignition Temperature:

Flammable Limits in Air % by Volume:

Extinguishing Media:

Special Fire Fighting Procedures:

Unusual Fire and Explosion Hazard:

Not applicable

Not applicable

Lower: not applicable Upper: not applicable

Water spray (fog), foam, dry chemical, or CO₂

Cool exposed equipment with water spray. Use self-contained breathing apparatus if fighting fire in confined spaces.

PVC includes hydrogen chloride, carbon monoxide, and other toxic gases when burned.

Exposure to combustion products may be fatal and should be avoided.

HEALTH HAZARD INFORMATION

First Aid

Eyes: Immediately flush with plenty of water. Call a physician if irritation persists.

Skin: Flush skin with plenty of water. Remove contaminated clothing. Call a physician if irritation persists. Wash clothing before reuse.

Ingestion: Seek medical aid.

Nature of Hazard

Eyes: If exposed to high concentrations of dust, physical irritation of the eyes.

Skin: This material is not expected to present a hazard to the intact skin. Molten sheet will produce thermal burns.

Ingestion: No significant health hazard can be reasonably anticipated.

Inhalation: Under normal conditions and with normal use, no inhalation is presented. Refer to Section IV, Fire and Explosion Data.

Exposure Limits

None Established

ACGIH TLV of 10 mg/m³ total dust as an 8-hour TWA is recommended



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Toxicity Data

Skin Contact: A review of the pertinent literature did not reveal specific information for PVC.

Eye Contact: A review of the pertinent literature did not reveal specific information for PVC.

Inhalation: Rodents exposed by the dietary or inhalation route for 6 - 24 months have shown no significant effects. 4 months have shown no significant toxicological effects.

Ingestion: See Above
Avoid inhalation of combustion products

Special Precautions

REACTIVITY DATA

Conditions Contributing to Instability:

Not applicable

Incompatibility:

Not applicable

Hazardous Decomposition Products:

Hydrogen chloride and other toxic fumes generated with combustion.

Conditions Contributing to Hazardous Polymerization:

Not applicable

SPILL OR LEAK PROCEDURES

When producing chips or dust from fabricating PVC sheets: sweep, scoop, or vacuum to remove. Dispose of only in accordance with local, state and federal regulations

SPECIAL PROTECTION INFORMATION

Ventilation Recommendations:

Pertains to dust or chips as a by-product of fabricating finished sheet

Specific Personal Protective Equipment

General ventilation when fabricating and nuisance dust control

Respiratory Protection:

If dust is produced during handling, an approved particulate filter respirator should be used.

Eyes: Safety glasses or goggles

Gloves: Necessary when handling hot or molten sheets

Other clothing and equipment:

As necessary when handling hot or molten sheets

SHIPPING, TRANSFER, AND STORAGE

Shipping Information:

Non-hazardous for transportation purposes

Transportation and Storage:

Usual shipping containers - palletized sheets

Storage Transport:

Sustained temperatures above 150°F may cause slow degradation.

Electrostatic Accumulation Hazard:

Yes



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PROCESSING PERFORMANCE

PVC FF boards are of sound insulation, sound absorption, heat insulation and heat preservation.

It is safe with good fire-retardant
Is moisture proof, mold proof, non-hydroscopic and shock proof
Has long performance life and stable color
With light weight, it is fit for transportation and handling
It is processed the same as wooden material: drilling, sawing, nailing, planning and bonding.

It can be processed in heat-forming, heat bending, and heat folding
It also can be welded and bonded to itself
The surface is very smooth and suitable for printing

APPLICATION

For Advertising and Communication:

For Transportation:

For Architecture and Decoration:

For Industrial Purposes:

For Other Fields:

Use in printing, engraving by PC, advertising signs

Variety of boards in vessels, airplanes, and cars

Outside/inside boards for buildings, dividers for buildings, decorative shelves, and ceilings.

Anticorrosion in chemical industry, cold storage, and environmental protection.

Frame work board, sports equipment, as water-proof material

This information has been compiled from sources considered to be dependable and is to the best of our knowledge reliable as to the data compiled. This material sheet data applies only to the exact product indicated above and cannot be utilized in respect to any other product or for any other purpose.



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