



DuPont™ Styrofoam™ Brand Buoyancy Billets

U.S. HFC Regulation Compliant Formulation

OVERVIEW

Description

DuPont Styrofoam™ Brand Buoyancy Billets, are specifically designed for marine applications, providing high buoyancy and durability. They are constructed with millions of tiny, non-interconnecting air cells, which maintain buoyancy even if punctured. These billets are lightweight and durable, resistant to waterlogging, rust, and destructive marine growth, and can float approximately 55 pounds per cubic foot.

To extend their lifespan and ensure proper use, they must be protected from mechanical damage and UV degradation with skirt boards, fully encased to prevent material release, and have their coating compatibility checked before application. Additionally, they are combustible and should be protected from open flames and high heat.

Features and Benefits

- **Ease of Installation:** Extremely buoyant and durable. Easy to install. Lightweight.

Applications

- DuPont Styrofoam™ Brand Buoyancy Billets are specifically designed for marine applications.



Styrofoam™

Brand

Warranty

- DuPont™ Styrofoam™ Brand Buoyancy Billets carry a 10-year limited warranty for flotation. For additional warranty information please visit building.dupont.com or contact your DuPont representative.

Standard Sizes

Standard Sizes, R-Values and Edge Treatments for Styrofoam™ Brand Buoyancy Billets

Thickness	Width	Length	Edge Treatment
7 in.	20 in.	8 ft.	Square Edge
10 in.	20 in.	8 ft.	Square Edge

Note: Please be advised that additional sizes may be available. Availability of all sizes varies by region and is subject to change. For further information, please contact your local DuPont Sales Representative or call us at 1-866-338-7668.

TESTING AND CODE COMPLIANCE

Styrofoam™ Brand Buoyancy Billets exhibits the properties and characteristics indicated in the table below when tested as represented. Review all instructions and (Material) Safety Data Sheet ((M)SDS) before use. Please contact DuPont at 1-833-338-7668 when additional guidance is required for writing specifications that include this product.

TEST METHOD	TEST TITLE	PROPERTY	RESULTS
STRENGTH			
ASTM D1621	Standard Test Method for Compressive Properties of Rigid Cellular Plastics	Compressive Strength ²	18 psi, min.
WATER			
ASTM C272	Standard Test Method for Water Absorption of Core Materials for Sandwich Construction	Water Absorption	0.5% by volume, max.

²Vertical compressive strength is measured at 10 percent deformation or at yield, whichever occurs first. Since Styrofoam™ Brand Extruded Polystyrene Foam Insulations are visco-elastic materials, adequate design safety factors should be used to prevent long-term creep and fatigue deformation.

HANDLING

Warning

- **WARNING: For Professional Use Only** - Read and follow the entire Safety, Handling, and Storage section carefully before use. The information below is designed to protect the user and allow for safe use and handling of DuPont products.

Due to the critical technical design aspects of many of its applications, DuPont recommends that qualified designers or consultants design your system. Follow all applicable federal, provincials, territories, local and employer regulations.

Precautionary Statements

- **CAUTION:** Styrofoam™ Brand XPS Insulation is combustible. This product is combustible. Protect from high heat sources. A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information call the DuPont Contact Center at 866-583-2583 or contact your local building inspector. For emergencies contact Chemtrec 800-424-9300, CCN (Contract Number) 7442.
- Fabrication methods which involve cutting into this product may release the blowing agent(s) remaining in the cells. Provide adequate ventilation to assure localized concentrations in release areas are maintained below the lower flammable limit.
- If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air. Mechanical cutting, grinding or sawing can cause formation of dusts. To reduce the potential for dust explosion, do not permit dust to accumulate.
- Rigid foam insulation does not constitute a working walkable surface or qualify as a fall protection product.

Supplemental Information

- The product meets the definition of an article and is exempt from US TSCA and Canadian DSL inventory requirements.
Compliant with Title 42 Chapter 85 Clean Air Act: Subchapter VII American Innovation and Manufacturing Act of 2020, and Section 612 US EPA Significant New Alternative Policy. Global Warming Potential <150. This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Compliant with CANADIAN ENVIRONMENTAL PROTECTION ACT, 1999, SOR/2016-137, 64.5 (1) Plastic foam or rigid foam product. Global Warming Potential <150.

Handling & Use

- Before installation, substrate must be clean, dry, smooth and free from oil, grease, rust, frost and snow. Since dust would impair the performance of adhesives and finishes, dusty surfaces should be brushed off before products are applied.
- Use gloves to protect from mechanical injury.
- Do not leave Styrofoam™ Brand XPS exposed to direct sunlight for more than 90 days. Consult a DuPont representative if exposure is expected to be longer than 90 days. Prolonged exposure to ultraviolet radiation may cause the surface of Styrofoam™ Brand XPS to become faded and dusty. The surface degradation will have no measurable effect on the insulating value of

Product Limitations

- Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including DuPont can give assurance that mold will not develop in any specific system.

Cleanup & Disposal

- Dispose of any residual DuPont product, coated debris, or solvent in accordance with applicable federal, state, and local government regulations.
- Styrofoam™ Brand XPS Insulation is made of extruded polystyrene (XPS) and can be recycled at facilities that recycle XPS materials. Please check recycling facilities in your area to ensure they can recycle XPS Insulation.

Life & Storage

- In order to prevent buildup of combustible vapors, do not store large quantities of this product in unventilated spaces. Transport bulk shipments of this product in ventilated vehicles. During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources.
When stored outdoors, keep insulation boards covered with white plastic film or light-colored tarps to protect from weather and weighted down to prevent boards from being blown around by the wind.

Store above standing water.

the foam unless the deterioration is allowed to continue until foam thickness is lost.



For more information, visit us at
building.dupont.com
or call us at 1-833-338-7668

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