



Underwriters Laboratories Inc.®

NORTHBROOK, IL
MELVILLE, NY

SANTA CLARA, CA
RESEARCH TRIANGLE PARK, NC

Classification Certificate D-369
Side 1

an independent, not-for-profit organization testing for public safety

The manufacturer whose name appears below is qualified under the Classification and Follow-Up Service of Underwriters Laboratories Inc. to furnish foamed plastic, Classified as to Surface Burning Characteristics. This manufacturer is therefore authorized to issue this Certificate for the bulk shipment of material described below as its representation that such material is manufactured in compliance with the requirements established by Underwriters Laboratories Inc. for this class of product. This Certificate does not indicate proper application or installation of the units and does not apply to other material which may be used at the location specified.

Material: STYROFOAM® Brand Insulation
Dow Grayboard Extruded Polystyrene Foam Insulation

Manufacturer: The Dow Chemical Company
Midland, Michigan
Manufacturer's Reference No. R3573
Manufacturer's Control No. 27P4

Note: To determine that the boards received are UL Classified, make sure each board is marked as follows:
"UND. LAB. INC.® CLASSIFIED -- See Classification Certificate D-369."

SURFACE BURNING CHARACTERISTICS

STYROFOAM Brand Insulation (excepting the specific products addressed in the tables below)
Dow Grayboard Extruded Polystyrene Foam Insulation

	Thickness: 4 in. (maximum)	
	Density: 2.4 lb/ft ³ (maximum)	
Flame Spread		5†
Smoke Developed		165†

† Flame Spread and Smoke Developed were recorded while the material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel and smoke generation equivalent to a calculated flame spread classification of 90 and a smoke developed classification of over 500.

STYROFOAM Brand High Load 60, 100, and 115 Insulation
STYROFOAM PLAZAMATE® Brand Insulation

	Thickness: 4 in. (maximum)	
	Density: greater than 2.4 lb/ft ³ but less than or equal to 4.0 lb/ft ³ (maximum)	
Flame Spread		15††
Smoke Developed		165††

†† Flame Spread and Smoke Developed were recorded while the material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel and smoke generation equivalent to a calculated flame spread classification of 125 and a smoke developed classification of over 500.

STYROFOAM CAVITYMATE® Ultra Brand Insulation

	Thickness: 3.5 in. (maximum)	
	Density: 1.9 lb/ft ³ (maximum)	
Flame Spread		10†††
Smoke Developed		160†††

††† Flame Spread and Smoke Developed were recorded while the material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel and smoke generation equivalent to a calculated flame spread classification of 105 and a smoke developed classification of over 500.

The manufacturer makes the following statement: These numerical flame spread and smoke ratings are not intended to reflect hazards presented by this material under actual fire conditions.

* Trademark of The Dow Chemical Company



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Side 2

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The manufacturer whose name appears on Side 1 of this Certificate is qualified under the Classification and Follow-Up Service of Underwriters Laboratories Inc. to furnish foamed plastic, Classified as to Fire Resistance; is qualified to furnish foamed plastic as a roof deck construction material, Classified as to Resistance to an Internal Fire Exposure only, or Uplift Resistance only, or both; and is qualified to furnish roofing systems materials, Classified as to an External Fire Exposure only. This manufacturer is therefore authorized to issue this Certificate for the bulk shipment of material described below as its representation that such material is manufactured in compliance with the requirements established by Underwriters Laboratories Inc. for this class of product. This Certificate does not indicate proper application or installation of the units and does not apply to other material which may be used at the location specified.

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FIRE RESISTANCE CLASSIFICATION

Design Numbers

D708	P225	P404	P505	P701	P801	P902	U326	U460	U902
	P229		P507	P710	P803	P904	U330		U912
	P230		P508	P711	P805	P907			
	P235		P510	P713	P811	P908			
	P248		P513	P714	P813	P909			
	P250		P514	P717	P814	P912			
	P251				P815	P915			
	P255				P817	P921			
	P261				P818	P923			

See the UL Fire Resistance Directory.

**RESISTANCE TO INTERNAL FIRE EXPOSURE ONLY,
OR UPLIFT RESISTANCE ONLY, OR BOTH**

Construction Nos. 1, 2, 3, 14, 58, 87, 200, 237, 260, 276, and 440

See the UL Roofing Materials and Systems Directory.

EXTERNAL FIRE EXPOSURE ONLY

See the UL Roofing Materials and Systems Directory.
