

Styropor® BF 422

Expanded Polystyrene

BASF Corporation

Product Description

Styropor BF products can be used in a wide variety of applications including blocks for panels, general insulation, below grade use, fabrication, flotation, and general packaging. Additional applications include insulated concrete forms, thin walled custom molding, and other general protective packaging.

Modified expandable polystyrene (EPS) containing approximately 6 wt% pentane as the blowing agent.

Styropor BF products are compatible with many anti-stat, mineral oil and color additives added during processing.

Shape molding for thin walled applications with fast cycles requiring modified material

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Blowing Agent (6.0%) ¹		
Features	• Fast Molding Cycle	• Foamable	
Uses	• Flotation Devices • Insulation	• Packaging • Reinforced Panels	• Thin-walled Parts
Agency Ratings	• ASTM C 578, I	• ASTM E 84	
Forms	• Spheres		
Processing Method	• Injection Molding		

Physical	Nominal Value	Unit	
Apparent Density	0.02 to 0.05	g/cm ³	
Moisture Content	< 1.2	%	
Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL	HF-1		UL 94
UL File Number	E54675		
Additional Information	Nominal Value	Unit	
Bead Diameter (> 97%, 2% max <0.35mm)	350.000 to 850.000	µm	

Notes

¹ Pentane

² Typical properties: these are not to be construed as specifications.

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

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