

# InVento® 0814FR

Expanded Polystyrene  
Synthos S.A.

Message:

InVento® is self-extinguishing expandable polystyrene (EPS) with a low thermal conductivity and reduced amount of blowing agent. The material is formed by spherical polystyrene particles that contain a flame retardant system and a hydrocarbon blowing agent. Their surface is treated against gluing during processing and the formation of electrostatic charge. Due to the content of halogenated flame retardant and the residual blowing agent, the product is unsuitable for objects intended for direct contact with food.

APPLICATION

InVento® 0814FR is mainly used for production of blocks with medium and higher density; of cutted boards and profiles from the blocks for a thermal insulation e.g. building objects.

General Information			
Additive	Blowing Agent		
	Flame Retardant		
Features	Flame Retardant		
	Halogenated		
	Self Extinguishing		
Uses	Insulation		
	Profiles		
Appearance	Black		
Forms	Spheres		
Physical	Nominal Value	Unit	Test Method
Apparent Density <sup>1</sup>	0.02 to 0.04	g/cm <sup>3</sup>	Internal Method
Moisture Content	< 10000	ppm	Internal Method
Particle Size - >95% between	0.800 to 1.40	mm	Internal Method
Reaction to Fire			
--	B1		DIN 4102
--	Class E		EN 13501-1
Blowing Agent	< 5.5	wt%	Internal Method
NOTE			

1. The typical bulk density indicates values obtained during single-step pre-foaming on continuous pre-foaming devices Lower values of bulk density can be achieved only after multiple pre-expansion.

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

