

InSphere® 0513FR-P

Expanded Polystyrene

Synthos S.A.

Message:

InSphere® type 0513FR-P is self-extinguishing expandable polystyrene (EPS) with a reduced water absorption and reduced amount of hydrocarbon blowing agent.

The materials are 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.

InSphere® 0513FR-P is mainly used for perimetric and skirting boards; production of shaped parts with wall thickness above 10 mm (e.g. shipping packaging for glass and electrical goods, building bricks, floor and roof shaped parts); production of smaller blocks with higher density or cutted profiles.

General Information			
Additive	Blowing Agent		
	Flame Retardant		
Features	Flame Retardant		
	Halogenated		
	Self Extinguishing		
Uses	Building Materials		
	Packaging		
	Profiles		
Appearance	White		
Forms	Spheres		
Physical	Nominal Value	Unit	Test Method
Apparent Density ¹	0.02 to 0.04	g/cm ³	Internal Method
Moisture Content	< 10000	ppm	Internal Method
Particle Size - >95% between	500 to 1000	µm	Internal Method
Reaction to Fire			
--	B1		DIN 4102
--	Class E		EN 13501-1
Blowing Agent	< 5.0	wt%	Internal Method
NOTE			

1.

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

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