

Synthos EPS® 0816F/PL

Expanded Polystyrene

Synthos S.A.

Message:

Synthos EPS® F /PL type 0308F, 0513F, 0816F and 1325F is self-extinguishing expandable polystyrene EPS with high content of pentane. The materials are formed by spherical polystyrene particles that contain a flame retardant system (content of HBCD < 0,5%) 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.

Synthos EPS® 0816F/PL (Owipian FS 0816) 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 or in packaging technology.

General Information			
Additive	Blowing Agent		
	Flame Retardant		
Features	Flame Retardant		
	Halogenated		
	Self Extinguishing		
Uses	Insulation		
	Packaging		
	Profiles		
Appearance	White		
Forms	Spheres		
Physical	Nominal Value	Unit	Test Method
Apparent Density			Internal Method
-- ¹	< 0.02	g/cm ³	
-- ²	0.02 to 0.04	g/cm ³	
Moisture Content	< 7000	ppm	Internal Method
Particle Size - >95% between	0.800 to 1.60	mm	Internal Method
Reaction to Fire			
--	B1		DIN 4102
--	Class E		EN 13501-1
Blowing Agent	< 7.0	wt%	Internal Method
NOTE			
1.	The laboratory tests of expanded beads bulk density are made according to Polish Standard PN-90/C-89298 using the following expansion times: 0308 and 0513: 12 min., 0816: 10 min., 1325: 6 min.		

2.

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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