Synthos EPS® 1020F/CZ

Expanded Polystyrene

Synthos S.A.

Message:

Synthos EPS®/CZ types 0513F, 0814F, 0822F, 1020F, 1640F i 2040F are 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® 0822F/CZ (Koplen 0822F) and Synthos EPS® 1020F/CZ (Koplen 1020F) is mainly used for production of high volume blocks with low-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	White		
Forms	Spheres		
Physical	**Nominal Value**	**Unit**	**Test Method**
Apparent Density [1]	0.02 to 0.04	g/cm³	Internal Method
Moisture Content	< 10000	ppm	Internal Method
Particle Size - >95% between	1.00 to 2.00	mm	Internal Method
Reaction to Fire			
--	B1		DIN 4102
--	Class E		EN 13501-1
Blowing Agent	< 7.0	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.

Recommended distributors for this material

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