

## ASCHEM EPS - EXPANDABLE POLYSTYRENE

### G-EPS 1216F

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#### Product Description

Black, spherical EPS beads containing uniformly distributed flame retardant and pentane as blowing agent.

#### Product Applications

G-EPS 1216F is used to manufacture grey color foams with considerably better thermal insulation than conventional EPS products. It is recommended for lower, medium or high-density block applications, insulation system, underfloor heating system and construction products in which flame retardancy is necessary. Used for the production of expanded foams, having fire characteristics in conformity with EN ISO 13501-1.

#### Product Properties

Bead Size Range (Typical)	Sieve Analysis	Bulk Density
1.12 - 1.40 mm	0.9 - 1.80 mm min. 95%	590 - 640 kg/m <sup>3</sup>

#### Packaging

Package Type*	BIGBAG
Pallet Size (cm x cm)	105 x 105
Net Weight (kg)	1125

\*Special packaging requests by the Customers can be arranged.

#### Processing

G-EPS 1216F can be expanded to the densities between 16 kg/m<sup>3</sup> and 25 kg/m<sup>3</sup> with single expansion and to the densities between 14 kg/m<sup>3</sup> and 23 kg/m<sup>3</sup> with double expansion.

After pre-expansion, the EPS products should be aged in silos between 16-48 hours depending on the blowing agent type, amount, environment and process conditions.

In order to conform to the Fire Test Certification, different materials should not be mixed. Please contact our Technical Department for optimum process conditions (e.g. steam pressure, residence time etc.) for energy saving, process efficiency and product quality.

#### Storage

G-EPS products should be stored in cool and dry place below 25°C to minimize loss of blowing agent. The blowing agent (pentane) that diffuses out of G-EPS raw material and foams during storage and processing can form explosive mixtures in air. It is therefore essential to guard against possible sources of ignition (e.g., open flames, sparks from welding, electrical discharge). Smoking must be strictly forbidden.

It is forbidden to transport G-EPS raw material or G-EPS foam in unventilated or closed vehicles.

In order to get better performance from G-EPS products, once a BB has been opened, their contents should be used as soon as possible. The shelf life of the product in unopened big bags is three months after delivery to the customer.

#### Health Effects, Safety, Environment and Waste Management

ASCHEM G-EPS 1216F shall not be used in direct contact with food. Please enquire our Sales Department for Food Grade EPS. Both during production and storage, contact with open flame or electrical sparks and static discharges shall be strictly avoided. Smoking should be prohibited around G-EPS materials. Please make sure to read the "Material Safety Data Sheet" (MSDS) before use.

G-EPS is accepted as an environmental friendly material, contributing to energy efficiency and reducing carbon footprint. G-EPS is a thermoplastic material and it can be recycled.

#### Disclaimer

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes.

The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.