

Technical sheet for the products:

EXPANDABLE POLYSTYRENE (EPS), By-products
TU 2214-025-53505711-2013

Product description:

This product is a **by-product** of suspension polymerization of styrene in the presence of a foaming agent and is a foaming polystyrene EPS "ALFAPOR" of related brands. **By-products** are produced in the form of spherical particles, the surface of which is treated with various substances that prevent the accumulation of electrostatic charges during transportation and improve the manufacturability of the polymer during processing.

Scope of application:

By-products are intended for the production of heat and sound insulation materials in the form of polystyrene blocks, plates, various types of packaging and other technical products. Type SE (Self-Extinguishing) contains an eco-friendly polymer flame retardant to protect against ignition, HBCD free.

Main characteristic:

Technical Parameters	S E		
	Норма для марки		
	701	601	90
Granule size, mm	Less 0,3	Less 0,3	More 4,0 мм
The mass fraction of the main particles fractions, %, not less	95	98	98
Pentane content , %	Not rated	5,0÷7,0	5,0÷7,0
Maximum water content, %	25,0	5,0	1,0
Maximal residual monomer content, %, not more	0,1	0,1	0,1
The average of molecular weight	150000÷250000	150000÷250000	150000÷250000

Packaging: Big bags weighing 800 ±8,0 kg, 840±8,4 kg, 880±8,8 kg (Optionally can be installed on a pallet size 1000*1200 mm according to GOST 9078).

Storage: Storage of polystyrene foaming near the source of open fire, causing heating of the ambient air and the polymer, can lead to the ignition of vapor blowing agent (pentane) and, accordingly, the polymer. For ensuring fire safety all rooms where processing, storage of polystyrene foaming and expanded polystyrene shall be provided with General exchange supply and exhaust ventilation which shall provide 5-6-fold exchange of air, and a zone of allocation of volatile products (a zone of processing)-local exhaust ventilation with 8 – fold exchange of air is made.

Transport: the Vehicle must be equipped in accordance with the requirements of ADR (Annex B, part 8). The driver must have a certificate for the carriage of dangerous goods – 9 hazard class.