

## **EXPANDABLE POLYSTYRENE EPS FROM THE «PLASTIC» JSC MANUFACTURING PLANT (Uzlovaya, Tula region)**

Self-extinguishing, contains flame retardants, approved for EU.

The product is used for the production of thermal/sound insulation, packaging and moulded parts.

**«PLASTIC» JSC**

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**PLASTIC**  
UZLOVAYA



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UZLOVAYA

## **POLYSTYRENE EPS**

- Plates
- Blocks
- Thermal insulation
- Sound insulation
- Packaging
- Moulded parts



Made  
in Russia

## PHYSICAL AND CHEMICAL PROPERTIES OF EXPANDABLE POLYSTYRENE, TYPE EPS

Parameter	Range of grades TU 2214-033-05762341-2009					
	Grade 1 2,5 mm	Grade 2 2,8-1,6 mm	Grade 3 1,6-1,0 mm	Grade 4 1,0-0,6 mm	Grade 5M 0,7-0,4 mm	Grade 6 < 0,4 mm
1. Mass fraction of particles of the main fraction, %, not less	95	95	94	95	95	90
2. Mass fraction of the rest on a sieve with a cell size of						
1,6 mm, %, not less	-	75	-	-	-	-
1,4 mm, %, no more than	-	20	-	-	-	-
3,2 mm, %, no more than	-	-	-	-	-	-
0,9 mm, %, no more than	-	-	-	-	-	-
3. Mass fraction of the particles which passed through a sieve with a size of cells of 0,4 mm (the pallet), %, no more than	-	-	-	-	-	-
4. Mass fraction of the pore formation, %, within the limits of	5,0-7,0	5,0-7,0	5,0-7,0	5,0-7,0	4,5-7,0	4,0-6,0
5. Mass fraction of residual monomer (styrene) %, no more than	0,2	0,2	0,2	0,2	0,2	0,2
6. Mass loss during drying, %, no more than	1,0	1,0	1,0	1,2	1,5	2,5
7. Relative viscosity, no less than	1,65	1,65	1,65	1,65	1,65	-
8. Packed density kg/m <sup>3</sup> , no more than	20	20	20	45	45	-
9. Breaking stress in static bending, kg/cm <sup>2</sup>	1,2 (0,12)	1,2 (0,12)	1,2 (0,12)	2,8 (0,28)	2,8 (0,28)	-
10. Flammability-time self-combustion, sec, no more than	2	2	2	2	2	-