

## PENTAERYTHRITOL

### Application

The product is used in production of paint-and-varnish products, graphic printing paints, lubrication oils, pentaplasts, for nitration and other purposes.

### Packaging

Multiwall paper and bitumen-impregnated or laminated bags net weight 25kg;  
Plastic bags net weight 25kg;  
PP bags with plastic liner net weight 25kg;  
Big bags net weight 500 – 1000kg.

### Transportation and storage

The product is transported by all modes of transport in accordance with the rules of goods carriage, valid for this mode of transport. The product packed in bags is transported in closed transport facilities. The product packed in big bags is transported both in closed transport facilities and open transport facilities with additional protection from direct sunlight. The product is stored in closed well ventilated warehouses protecting the product from atmospheric precipitates, on pallets at the height of no less than 5 cm from the floor and at a distance of no less than 1 m from the heating units. The product is allowed to store packed in containers at open area under cover or without it, with additional protection from direct sunlight, on pallets at the height of no less than 5 cm from the ground.

### Manufacturer's guaranty

Guaranty period of storage to be 2 years from the manufacturing date, provided that all transportation and shipment rules are observed.

### Purchasing of the product

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## Main physical and chemical features

Parameter name	Norm		
	A		B
	High grade	First grade	
Appearance	White crystal powder		
Mass fraction of monopentaerythritol, %, no less	98,0	95,0	98,7
Melting point, °C, no lower	258	245	259
Mass fraction of water and volatile compounds, %, no more	0,1	0,2	0,1
Mass fraction of ash, %, no more	0,0015	0,01	0,0015
Colour of a melt on APHA, hazen units, no more	100	200	100
Mass fraction of hydroxyl groups, %	49,7 – 50,0	49,4 – 50,0	49,8 – 50,0
Mass fraction of a product going through a sieve with a mesh 01K, %, no more	7	no norm	3
pH of pentaerythritol aqueous solution with mass fraction 5%	5,0 – 7,0	5,0 – 7,0	5,0 – 7,0