



Binder KP-1

Silicone binder.

Characteristics

The product of the partial hydrolysis and polycondensation of polyesters of orthosilicic acid.

Properties

- easily hydrolyzed by air moisture;
- fast drying;
- creates a solid silicone film;
- soluble in organic solvents;
- highly astringent and binding.

Applications

- In foundry in the manufacture of ceramic molds for precise casting.
- In the manufacture of organic polymers as modifying additives conferring special properties.
- In paint industry as a component of heat-resistant insulating enamels and paints, as well as matting additives for furniture varnishes.

Application methods

According to technological rules, acting on the enterprise of customer.

Storage

Store in tightly sealed original container at temperatures from -60°C to $+30^{\circ}\text{C}$.

Store in a cool, dry, well-ventilated place, away from areas with a risk of fire and contamination with strong oxidants, alkalis and inorganic acids. Protect from direct sunlight and moisture.

Guaranteed shelf life in manufacturer's container - 3 months.

Storage over the date specified on the label does not necessarily mean the product is unusable. In case if store more please check the properties of product before use.

Packing

Binder KP-1 can be supplied in:

- polymer canisters 25 dm^3 ;
- polyethylene drums capacity 50 dm^3 ;
- barrels combined (steel-polyethylene) capacity 200 dm^3 ;
- polyethylene barrels capacity 220 dm^3 ;
- steel barrels capacity 220 dm^3 ;
- special polymer containers capacity up to 1 m^3 .

Safety instructions

The product is flammable, when work please observe fire safety.

Please see comprehensive instructions in the relevant safety data sheet for the product that can be provided upon request.

Product specification

NAME OF PARAMETER AND UNIT OF MEASURE	STANDARD
Appearance	Clear or opalescence liquid
Density at $(+20\pm 0,5)^{\circ}\text{C}$, g/cm^3	0,895 - 0,920
Mass fraction of hydrogen chloride, %, not more	0,07
Kinematic viscosity at temperature $(+20\pm 0,5)^{\circ}\text{C}$, cSt	2,2 - 3,6
Duration of of gelation, min, no more than	30
Mass content of silicon dioxide, %	17,0 - 21,0

To obtain more information please contact your nearest representative office of Silkor Ltd.

LIMITED WARRANTY INFORMATION, PLEASE READ CAREFULLY:The information contained herein is accurate, but it does not relieve the customer from the control of each batch of products supplied. Since the conditions and methods of use of our products are beyond our control, the recommendations contained in this document should be updated by the client providing preliminary tests. Recommendations for use should not be construed as a guarantee of product suitability for a particular purpose.

Silkor Ltd only guarantees that the product meets its specifications in effect at the time of delivery.