



Electrical insulation varnish KO-921

Silicon organic resin, electric insulating

Characteristics

The solution of polymethyl phenyl siloxane resin in toluene.

Features

- low temperature drying;
- good dielectric properties
- moisture- and heat resistance

Applications

- For impregnation of glass winding of wires and cables as impregnating and coating resin, temperature resistant up to 250°C.
- For electrical insulation of electric equipment and devices.
- For prevention of electrical equipment and devices from mold and mildew.
- For production of heat resistant electrical insulating enamels
- In the food industry - as a release coating of metal forms for baking meat products; protective coating of metal forms for baking meat products; protective coating of metal forms for baking bread and biscuits.

Storage

Store the resin KO-921 in sealed container at temperature from -30°C to +35°C.

Guaranteed shelf life in original container is 12 months.

Keep in a cool, dry, well-ventilated place, away from heaters. Protect from moisture and direct sunlight.

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

Steel barrels up to 200 liters.

Safety instructions

The product is flammable; please follow fire safety instructions during work.

Please see detailed instructions in the relevant product safety data sheet, which can be provided upon request.

Technical characteristics

NAME OF PARAMETER AND UNIT OF MEASURE	STANDARD
Appearance	Homogeneous transparent solution. Light opalescence is permissible.
Optical density, max.	0,5
Viscosity by Viscosity meter VZ-4, s	17-27
Mass fraction of nonvolatile substances, %	50±2
The drying time of the lacquer film at (+200±5)°C to the degree of 3, minutes, max.	15
The thermoelasticity of the lacquer film at (+200±5)°C, h, min	75
Mass fraction of hydrogen bonded to silicon, %, max.	0,001
Specific volumetric electrical resistance of lacquer coating, Ohm*m:	
M (15-35)°C 45-75%, min.	1*10 ¹³
M (180±2)°C, <20 %, min.	1*10 ¹⁰
24 h (20±1)°C, min.	1*10 ¹²
Electric strength of varnish coating, MV/m:	
M (15-35)°C 45-75%, min.	75
M (180±2)°C, <20 %, min.	35
24 h (20±1)°C, min.	35

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.