

Unisil SRE 51 X

Silicone electrical insulating resin

Description

A solution of polymethylphenylsiloxane resin in xylene.

Properties

It has:

- excellent high and low temperature stability, hydrophobicity and moisture resistance;
- good electrical insulating ability, arc and corrosion resistance.

Application

It is widely used:

- in base resins for high temperature coatings and in special coatings;
- in general high and low temperature insulating impregnating paints;
- covering paints (varnish, colored and enameled paints);
- in high quality electrical insulating material.

Packing

Steel drums with a capacity of up to 200 L.

Storage

Store in hermetically sealed original containers at temperatures from minus 30 °C to + 35 °C.

Store in a cool, dry, well-ventilated place, away from fire hazard areas. Protect from direct sunlight and moisture.

Guaranteed shelf life in original container is 12 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.

Safety instructions

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

Please see comprehensive instructions in the relevant product safety data sheet, which can be provided upon request by representative of Unisil Hungary Kft. or printed from the website of Unisil Hungary Kft www.unisil.eu.

Technical specification of resin Unisil SRE 51 X

Appearance	Transparent liquid. Slight opalescence and insignificant impurities due to the container are allowed	Visually
Color	Colorless to light yellow or a pink shade	Visually
Time of outflow at (20±0.5) °C, s, measuring cup with a leakage hole diameter of 4 mm	20 - 50	ISO 2431
Mass fraction of non-volatile substances at (100±2) °C, (180±2) min, (2,0±0,2) g, %	50±2	ISO 3251
Drying time of the resin film to degree 3 on a copper plate at (200±5) °C, min, no more	120	
Thermoelasticity of the resin film on a copper plate at (200±5) °C, h, not less	50	
Specific volumetric electrical resistance of the resin film, Ohm*m: M (15-35) °C 45-75% M (180±2) °C, <20 % 24 h (20±1) °C, 93%	no less 1*10 ¹² no less 1*10 ¹¹ no less 1*10 ¹¹	
Electric strength of the resin film, MV/m: M (15-35) °C 45-75 % M (180±2) °C, <20 % 24 h (20±1) °C, 93%	no less 70 no less 35 no less 35	

For more information please contact your nearest representative of Unisil Hungary Kft.

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. Unisil Hungary Kft guarantees only that the product meets its specifications in effect at the time of delivery.