

# SILAK® M-101

## Heat-resisting silicone varnish

### PRODUCT DESCRIPTION

SILAK® M-101 is a solution of methylsilicone resin in the mixture of xylene and cyclohexanol, easily diluted with toluene, xylene, mineral spirits. Market form – liquid from

golden yellow to yellow, with smell typical of aromatic hydrocarbons. A small amount of colloidal precipitate at the bottom of the container is acceptable.

### CHARACTERISTICS

PARAMETERS	SILAK® M-101
Silicone resin content %	approx. 52
Density at 20°C, g/cm <sup>3</sup>	approx. 1,070
Outflow time at 20°C, according to PN EN 535 ISO 2431, s	approx. 40
Colour according to Hazen scale, max	450
Precipitate % (v/v), not more than	0.75
Degree of dry after drying at 200°C for 20 minutes with the coatings 15-25µm thick, degree	7
Flexibility, mm, not more than	3
Resistance to impact from high level, not less than, cm	50
Grindability, not less than, kG/µm	0.70
Adhesion (circular tool B), not more than	2 <sup>nd</sup> degree

### APPLICATION

SILAK® M-101 is used as thermohardening, non-flexible varnish:

- for coating the following types of surface: steel, cast-iron and aluminium. Varnish coatings are characterized by high gas permeability and resistance to water, dilute salt and acid solution in ambient temperature,
- as antiadhesive varnish for metal moulds,
- as a component in the production of silicone and aluminium heat-resisting enamel.

**Storage:** SILAK® M-101 must be stored in original containers, in rooms with temperature below + 25°C.

**Warranty period:** 12 months from the date of manufacture.

**Containers:** 1, 5, 50, 200 kg

### RECOMMENDED USAGE:

Before coating with SILAK® M-101, clean and degrease the surface. Next paint, immerse or spray the surface with varnish and harden the coating in 150-200°C for 3-5 hours, until the coating is 0.015-0.020 mm thick.

SILAK® M-101 contains volatile, flammable solvents, which evaporate during varnishing posing a danger of poisoning, burning or explosion. Therefore all the work should be performed in well ventilated rooms or in open area, in protective clothing. Once the solvent evaporates, the silicone coating is safe for health.

### Producer's notes

The information contained in this document is given in good faith based on our current knowledge. However, this shall not constitute a guarantee for any specific product features. Each user bears the full responsibility for making its own determination as to the suitability of product for its own particular purpose. Because actual use of product by the user is beyond our control, such use is within the exclusive responsibility of the user, and we cannot be held responsible for any loss incurred through incorrect or faulty use of the product. For more detailed information please contact us in writing or by phone.