

ORGAPOL T-50 M



1-component polyurethane terephthalic polyester resin in organic solvents

Use: 1-component polyurethane terephthalic resin for impregnation windings by dipping of electrical equipments with heat class F (155 ° C).

Classification: Meets the requirements of EU Legislation.

CHARACTERISTICS

INDEX	NORM
Appearance: (visually)	Coloured homogeneous clear liquid
Viscosity Brookfield at 23°C: (ISO 2555)	300-600 mPa.s
Acid number: (BNS EN ISO 3682)	max 5 mg KOH/g
Non-volatile content, 125°C/1h: (BNS EN ISO 3251)	49-51 %
Gel time of clear lacquer in a thick layer:	max 2 h
Drying of the prepared colorless lacquer in thick layer after standing for 6 h 130°C:	Homogeneous, transparent, with the non-tack upper and lower surface of the sample
Dielectric strenght:	
- at (20±5) °C:	min 80 kV/mm
- at (155±5)°C:	min 50 kV/mm
- after staying 24 h in water:	min 60 kV/mm
(BNS 5357-90)	
Specific volume resistance	
- at (20±5) °C:	min 10 ¹⁴ Ω.cm
- at (155±5)°C:	min 10 ⁹ Ω.cm
- after staying 24 h in water:	min 10 ¹² Ω.cm
(BNS 5357-90)	
Coat drying at 130°C:	max 2 h

OTHER DETAILS

Density at 20°C: (BNS ISO 2811-1)	1,05 g/cm ³
Flash temperature, covered pot: (BNS ISO 2719)	min 26°C
Thinner:	Do not dilute
Cleaning of the tools:	With Thinner OPT
Application:	<p>Orgapol T-50 M is used for for impregnation windings by dipping of electrical equipments with heat class F (155 ° C).</p> <ul style="list-style-type: none"> • When using tempered Orgapol T-50 is not diluted. • The viscosity of the resin is suitable for dipping. • Baking should be carried out at a temperature of 130-155 ° C, such as: <ul style="list-style-type: none"> - at 130 ° C the baking is performed within 6 hours; - at 155 ° C the baking is performed for 4-5 hours. <p>Attention! Baking temperature should not be lower than 130 ° C.</p> <ul style="list-style-type: none"> • For devices operating in tropical climates and environments with high humidity and dust contamination, recommended double impregnation.
Package::	Tins metal conic 22 L; In metal barrels
Storage:	<p>Storage temperature: at a temperature from 5°C to 30°C. Store in original, well closed packages, in sheltered, dry and well-ventilated warehouses, protected from direct sunlight. Shelf life-10 months from the production date.</p>
Hygiene, safety work and ecology:	Refer to the Material Safety Data Sheet for further information on the safe storage, use and handling of Orgapol T-50 M. The Material Safety Data Sheet (MSDS) should always be read and understood thoroughly before handling the product, and adequate safety procedures should be followed.

The present technical description has the purpose to inform the clients on the quality of our product. The data herein is based on our present best knowledge. We invite our clients before work to check the quality of the product or its adaptation to the base and to make an experimental application. Our clients must be sure, that the present technical description hasn't been changed or replaced by a newer edition.

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