

6. POTTING MATERIALS VUKUR/ Polyurethans/ VUKUR OM 22F



CABLES



IMPREGNANTS



WIRES



RESEARCH

- low viscosity

Application:

Two – component VUKUR OM 22F is a reactive PUR casting resin curable at room temperature with low exothermic. It is solvent less. It is suitable for filling of the voids, especially at the construction of electrical equipment, where the casting without internal extension is required. Good flexibility, good temperature conductivity and good electro insulating properties are required too. It is suitable for casting of transformers and electronics too. Due to high elongation at break it is suitable for casting the materials with various coefficient of thermal expansion. Thermal endurance 130 °C.

Characteristic:

asting resin with flexibility of hard gum. Two component casting resin consists of polyol component VUKOL 022 and VUKIT M hardener, mixed in the mass ratio 100:37.

Technical data:

		VUKOL 022F	VUKIT M
Viscosity at 25 °C	[mPa.s]	400 - 500	85 - 135
Initial viscosity of compound at 25 °C	[mPa.s]	600 - 900	
Flash point	[°C]	> 200	> 200
Pot life: 1 kg of compound at 23 °C		1	
Curing time at 23 °C	[h]	min. 24	

Properties of VUKUR OM 22F after 14 days curing at 23 °C

Tensile strength	[MPa]	1,9
Elongation at break	[%]	70
Electric strength at 23 °C on test specimen with thickness 2 mm	[kV/mm]	27
Volume resistivity at 23 °C	[Ω .m]	2,9.10 ¹⁰
- after immersion in water for 24 h	[Ω .m]	2,7.10 ¹¹
- after immersion in water for 10 days	[Ω .m]	4,5.10 ¹¹
Surface resistivity	[Ω]	2,8.10 ¹⁴
- after immersion in water for 24 h	[Ω]	4,5.10 ¹⁰

Packing:

In 23 kg vessels respectively according to the agreement.

The information provided herein accords with our knowledges about the subject on the date of publication. This information might be revised if new knowledges and experience will be available. The data provided fall within the normal range of product properties are related only to the specific material. These data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to set limits or used alone as the basis for design. The data are not intended for substitute of any testing that you might need to do for decision if the specific material is suitable for your particular purposes. Since VUKI ca not anticipate all variants in actual end-use conditions, VUKI makes no warranties and assumes no liability in connection with any use of this information. Nothing in this document is to be considered as a license to application or recommendation to infringe any patent rights.

F-11.1.22-43-2/11en

