

6. POTTING MATERIALS VUKUR/ Polyurethans/ VUKUR OM 33



CABLES



IMPREGNANTS



WIRES



RESEARCH

- higher viscosity and hardness

Application:

Two – component VUKUR OM 33 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:

Casting resin with flexibility of hard gum. Two component casting resin consists of polyol component VUKOL 033 and VUKIT M hardener, mixed in the mass ratio 100:19,6.

Technical data:

Properties of VUKUR OM 33 as received

		VUKOL 033	VUKIT M
Viscosity at 25 °C	[mPa.s]	4 000 - 5 000	85 - 135
Initial viscosity of compound at 25 °C	[mPa.s]	2 000 - 3 000	
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 33 after 14 days curing at 23 °C

Tensile strength	[MPa]	3,94
Elongation at break	[%]	32
Electric strength at 23 °C on test specimen with thickness 2 mm	[kV/mm]	22
Volume resistivity at 23 °C	[Ω.m]	2,0.10 ¹¹
- after immersion in water for 24 h	[Ω.m]	9,8.10 ⁸
- after immersion in water for 10 days	[Ω.m]	2,1.10 ⁶
Surface resistivity	[Ω]	10 ¹⁴
- after immersion in water for 24 h	[Ω]	10 ¹⁰

Packing:

In 23 kg vessels respectively according to the agreement.

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