

6. POTTING MATERIALS VUKUR/ Polyurethans/ VUKUR OM 34



CABLES



IMPREGNANTS



WIRES



RESEARCH

- high viscosity and hardness

Application:

VUKUR OM 34 is a reactive PUR casting resin curable at room temperature with low exotherm. It is solventless. 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 034 and VUKIT M hardener, mixed in the mass ratio 100:14.

Technical data:

		VUKOL 034	VUKIT M
Viscosity at 25 °C	[mPa.s]	8500 - 10500	85 - 135
Initial viscosity of compound at 25 °C	[mPa.s]	3 500 – 4 500	
Flash point	[°C]	> 200	> 200
Pot life: 1 kg of compound at 23 °C		0,5	
Curing time at 23 °C	[h]	min. 16	

Properties of VUKUR OM 34 after 14 days curing at 23 °C

Tensile strength	[MPa]	3,5-5,5
Elongation at break	[%]	14-34
Electric strength at 23 °C on test specimen with thickness 2 mm	[kV/mm]	23
Volume resistivity at 23 °C	[Ω.m]	5,2.10 ¹⁰
- after immersion in water for 7 days	[Ω.m]	2,0.10 ⁶
Thermal conductivity	[Ω.m]	0,46
Surface resistivity	[Ω]	5,2.10 ¹²
- after immersion in water for 24 h	[Ω]	4,8.10 ¹²

Packing:

In 22 kg vessels respectively according to the agreement.

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