

# Cast Resin PU 304 · 1 kV



Technical Data		
Processing temperature	+ 10°C to + 35°C	
Mixing ratio	100 : 28	(by weight)
Processing time	app. 15 min.	(23°C)
Final hardness after	app. 2 - 3 days	(accd. to temperature)
Density	1,34 g/cm <sup>3</sup>	(20°C; reaction product)
Hardness Shore D	app. 60	(23°C)
Resistance to temperature	-25°C to +120°C	(after hardening)

## Material description

The cast resin PU 304 is a two-component, filled polyurethane cast resin system. After final hardening the compound will be soft-elastic and insensitive to temperature.

## Application

Insulation of electrical components; especially to seal 1 kV straight and branch joints.

PU 304 contains heat conducting fillers and is used in thermal difficult applications.

## Processing

The two components (resin and hardener) are one unit, exactly fine-tuned to each other. There is no further need to weight out the components. The packing will be either in two separate tins or in double-chamber bags. Before you add the hardener, the resin-component should be mixed up.

In case you choose the packing in tins, the hardener must be filled completely into the resin and both components must be mixed with constant stirring. If you use the double-chamber bags, you must remove the separator, so that both components run together.

After that both components can be easily mixed by kneading the bag.

The time of mixing will be about 3 minutes. You can recognize a homogenous mixture by the uniform colour of the compound. During mixing it is important, that only few air bubbles are mixed into the compound.

The processing time is dependent on the ambient temperature. At lower temperatures you have longer and at higher temperatures you have shorter processing times.

The speed of hardening also depends on the ambient temperature and to the poured quantity. The final hardness will be reached after 2 to 3 days.

## Storage

The original closed tins/bags have to be stored in a dry and frost-free place. Open units must be used at once.

The processing-guarantee is 24 months after production date (see labels on the containers).

## Hazardous / Safety advice

Follow the advice printed on the containers and the relevant safety data sheets for resin and hardener.