

Additional Information

Shelf life of mp6

What does shelf life mean for the finished product?

How long will the micropump be operational when simply stored on the shelf for some time?

Possible states of the mp6 at the beginning of storage time

- mp6-liq may have slight remains of water inside
- mp6-gas will be completely dry
- mp6-pp may have slight remains of water inside

General statement of functionality

The micropump will not be influenced in its functionality by storage time. However, the mp6 exists only since 2008 and no storage tests were made. It is also not known if customers have conducted such storage time tests.

Detailed statements about components and materials

Component / material	Shelf-Life corresponding to supplier
Injection molded parts (PPSU black and PPSU natural transparent)	≥ 5-6 years
Piezo actuator	No data available. As actuators are operated beyond the specified range (1), there is no experience data available.
Flexible printed board (flex wire)	Years up to infinite (theoretical); no data available
Solder paste, cured	Infinite (theoretical), no data available
UV-adhesive, cured	≥ 10 years
Epoxy-adhesive, cured	≥ 10 years

¹ For outgoing inspection the mp6 will be operated (SRS @100 Hz and 250 Vpp).



All values are approximate and no guarantee of specific technical properties.

Changes in the course of technical progress are possible without notice

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