CLAIMS

1. A valve device (1) for at least one liquid plastic component or liquid plastic, comprising a closure device (2) which has a needle (5) which can be pressed against a seat (4) for closing a valve opening (3) of the valve device (1), wherein the needle (5) and/or the seat (4) is/are adapted to be yielding or mounted yieldingly, characterized in that the needle (5) can move relative to the seat (4) beyond the actual seating, and that at least one sensor (10) for position monitoring of the position of the needle (5) and/or the seat (4) and/or the needle mounting (6) and/or the seat mounting (7), signals of which can be fed to an evaluation device (11) which from the signals determines a signal which is characteristic of the closure action.

2. A valve device as set forth in claim 1 characterised in that the needle (5) and/or the seat (4) at least portion-wise comprise plastic.

3. A valve device as set forth in claim 2 characterised in that the plastic of the needle (5) and/or the seat (4) is elastically or at least partially elastically deformable.

4. A valve device as set forth in claim 2 or claim 3 characterised in that the plastic of the needle (5) and/or the seat (4) is PEK, preferably PEEK.

5. A valve device as set forth in one of the preceding claims characterised in that the at least one sensor (10) enables contact-less position monitoring of the position of the needle (5) and/or the seat (4) and/or the needle mounting (6) and/or the seat mounting (7). .

6. A valve device as set forth in claim 5 characterised in that stored in the evaluation device (11) are at least two positions (P1, P2) which are characteristic of predetermined closure states of the closure device (2).

7. A metering valve (12) for metered discharge of at least one liquid plastic component or liquid plastic comprising at least one valve device (1) as set forth in at least one of claims 1 through 6.

8. A metering valve as set forth in claim 7 characterised in that a discharge opening (13) of the metering valve (12) is closeable by the at least one valve device (1).

9. A metering valve as set forth in claim 7 or claim 8 characterised in that an intake opening (14) of a recirculation line (15) is closeable by the at least one valve device (1).

10. A metering device (16) comprising a storage container (20) for liquid plastic or at least one liquid plastic component and at least one valve device (1) as set forth in at least one of claims 1 through 6 and/or a metering valve (12) as set forth in at least one of claims 7 through 9.