Data sheet

**JENOFLEX 109**

Protected Silver Mirror for NIR/IR

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### Optical properties:

- $R_{avg} \geq 95\%$ for $450\text{ nm} \leq \lambda \leq 2000\text{ nm}$
- $R_{abs} \geq 95\%$ for $2\text{ \textmu m} \leq \lambda \leq 12\text{ \textmu m}$
- at $0^\circ$ to $45^\circ$ incidence

### Applications:

The JENOFLEX 109 guarantees a high reflectivity from VIS to IR under various incidence angles. Therefore it is advantageous to use this mirror in IR optics and other optical instruments.

It has a good cleanability by using ethanol (96%).

### Durability:

- Abrasion resistance: MIL-M-13508C, section 4.4.5
- Adhesion: MIL-M-13508C, section 4.4.6
- Humidity: MIL-M-13508C, section 4.4.7

### Substrate material:

Optical glasses, e.g. BK7 and silicon are typically used.

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