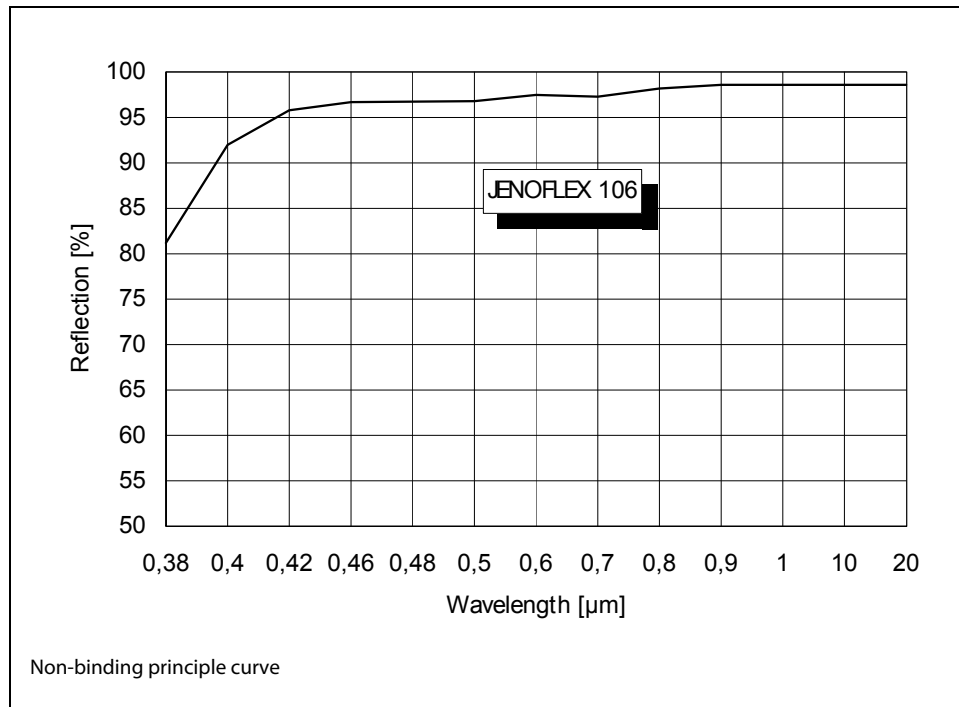


JENOFLEX 106

Polarisation Reduced Silver Mirror



Front Surface Metallic Mirror

Optical properties:

$R \geq 85\%$ for $400\text{ nm} \leq \lambda \leq 450\text{ nm}$

$R \geq 90\%$ for $450\text{ nm} \leq \lambda \leq 500\text{ nm}$

$R \geq 96\%$ for $500\text{ nm} \leq \lambda \leq 20\text{ }\mu\text{m}$

$|R_s - R_p| \leq 1\%$ ($i=45^\circ$) for $600\text{ nm} \leq \lambda \leq 1100\text{ nm}$

Applications:

The advantageous application of JENOFLEX 106 is in multi-spectral systems which require a high reflection of both R_s and R_p components.

It works from VIS to IR with high reflectivity and guarantees a low polarisation.

Durability:

Abrasion resistance: The coating will not be damaged if carefully using a soft cloth or cotton wool and ethanol (96 %).

Adhesion: MIL-M-13508C / section 4.4.6

Temperature change: MIL-M-13508C / section 4.4.4

Humidity: DIN 58390 part 2 - 12.02

Substrate material:

BK7, quartz or Zerodur are the glass types applied.

Maximum substrate format: Mirrors with diameters up to 500 mm and weights up to 30 kg can be coated.

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