

Aluminium sheet 308G, high polished

for UV applications

Properties and typical applications

The surface of the mirror sheet has a slight structure, which results in a slightly pronounced light widening in the rolling direction.

The high polished aluminium sheet is supplied in anodised quality with protective film and is usually used as UV mirrors with easy workability.



Technical data	
Material / Alloy	Al 99,85 (acc. to DIN EN 573-3 or factory standard)
Mechanical hardness	hard (acc. to DIN EN485-2 or factory standard)
Machining estate side Machining back side	polished, anodised anodised
Iridescence assessment	No requirements regarding interference colours
available thickness	0.30...1.20 mm
max. width	1,250 mm
Optical properties Total reflection Light diffuse reflection	≥ 87% (acc. to DIN 5036-3, integrating sphere) ≤ 12% The optical values only refer to the material thicknesses 0.40 to 0.50 mm
Gloss level longitudinal transverse	≥ 82 ≥ 80 acc. to ISO7668 (Dr Lange reflectometer), calibrated to 91.8 with measuring angle 60°.
Mechanical properties Tensile strength Rp 0.2 Yield strength Rm Strain A50 Deformation/bending radius	140-180 Mpa 160-200 Mpa ≥ 2 % ≥ 1.5 x thickness
Tolerances thickness Tolerances length	0.30 - 0.50: ± 0.04 mm 0.51 – 0.60: ± 0.05 mm 0.61 - 1.00: ± 0.06 mm 1.01 - 1.20: ± 0.07 mm 0 - 600: + 1.00 / - 0.00 mm 601 - 1500: + 1.50 / 0.00 mm 1501 - 2500: + 2.50 / 0.00 mm 2501 - 3500: + 3.50 / 0.00 mm
Flatness	1 % of the wavelength, but max. 8 mm
Diagonal deviation	≤ 1,5 mm (D1-D2)
Protection foil, thickness	PE, 50-60µm