

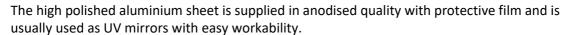


Aluminium sheet 308G, high polished

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.





Technical data	
Material / Alloy	AI 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	polished, anodised
Machining back side	anodised
Iridescence assessment	No requirements regarding interference colours
available thickness	0.301.20 mm
max. width	1,250 mm
Optical properties	
Total reflection	≥ 87% (acc. to DIN 5036-3, integrating sphere)
Light diffuse reflection	≤ 12%
	The optical values only refer to the material thicknesses 0.40 to 0.50
	mm
Gloss level	
longitudinal	≥ 82
transverse	≥ 80
	acc. to ISO7668 (Dr Lange reflectometer),
	calibrated to 91.8 with measuring angle 60°.
Mechanical properties	440 400 44
Tensile strength Rp 0.2	140-180 Mpa
Yield strength Rm	160-200 Mpa
Strain A50	≥ 2 % ≥ 1.5 x thickness
Deformation/bending radius Tolerances thickness	0.30 - 0.50: ± 0.04 mm
Tolerances unickness	0.51 – 0.60: ± 0.05 mm
	0.61 - 1.00: ± 0.06 mm
	1.01 - 1.20: ± 0.07 mm
Tolerances length	0 - 600: + 1.00 / - 0.00 mm
Toterances tengen	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