

# Product data sheet



4700/0299/001/08.13

**Product:** 20901L  
**MIRO-SUN® weatherproof  
reflective 90**

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<b>Alloy</b>	<sup>1</sup>	1050 or purer
<b>Hardness</b>	<sup>2</sup>	hard
Treatment front side	(S1)	brightened, anod., PVD-coated, clear lacquered
Treatment reverse side	(S2)	anodised
Coating system	(S1)	PVD - based on Al 99,99

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## Delivery options

in form of		Coil, strip, sheet, blanks
Thickness from/to	[mm]	0,30 - 0,75
Width up to	[mm]	1250,00

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## Optical Values

Total light reflection	[%]	≥ 92	DIN 5036-3 (U-Globe) (8°)
Brightness along	[-]	≥ 87	ISO 7668 (60°)
Brightness across	[-]	≥ 87	ISO 7668 (60°)
Solar Reflection	[-]	≥ 90	

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## Mechanical Properties

Yield strength Rp 0,2	[MPa]	125 - 155
Tensile strength Rm	[MPa]	130 - 160
Elongation A50	[%]	≥ 2
Deformation/Bending/Bending radius		≥ 2,0 x gauge of material

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## Tolerances

Thickness from/to	[mm]	0,20 - 0,50 ± 0,04
	[mm]	0,51 - 0,60 ± 0,05
	[mm]	0,61 - 0,75 ± 0,06
Width/Coil up to	[mm]	+ 3,00 / - 0,00
Width Slit Coil	[mm]	± 0,20 standard
Longitudinal Curvature	[mm]	≤ 1,00 on a measuring length of 1000 mm
Length	[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
Flatness	[%]	1 % of wavelength, max. 8 mm
Transversal Divergency	[mm]	≤ 1,5 (D1-D2)

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## Protective Film

Protective Film Type	[-]	PE - Film
Protective Film Thickness	[µm]	50 - 60

The optical properties advised above are based on material thicknesses from 0,40 to 0,50 mm

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<sup>1</sup> based on DIN EN 573-3 resp. rolling mill standard

<sup>2</sup> based on DIN EN 485-2 resp. rolling mill standard

