

Product data sheet



Product: 20902L
**MIRO-SUN® reflective 90 weatherproof
backside lacquered**

4700/0300/001/08.13

Alloy ¹ Al 1050 or purer
Hardness ² hard

Treatment front side (S1) PVD-coated and protected
Treatment reverse side (S2) anodised and protected

Coating system (S1) PVD - based on Al 99,99

Supply form

Coil, strip, sheet, blanks
Thickness [inch] 0.0118 - 0.0315
Width up to [inch] 49.2126

Optical Values

Total light reflection	[%]	≥ 92	DIN 5036-3 (U-Globe) (8°)
Brightness 60° along	[-]	≥ 87	ISO 7668 (60°)
Brightness 60° across	[-]	≥ 87	ISO 7668 (60°)
Solar reflection	[%]	≥ 90	ASTM G 173
weighted spec. hemisp. solar reflectance	[%]	≥ 84	ASTM G 173

Mechanical Properties

Yield strength Rp 0,2	[ksi]	18.1 - 22.5
Tensile strength Rm	[ksi]	18.9 - 23.2
Elongation at break A50	[%]	≥ 2
Bending radius		≥ 2.0 x gauge of material

Tolerances

Thickness	[inch]	0.0118 - 0.0197 ± 0.0016
	[inch]	0.0201 - 0.0236 ± 0.0020
	[inch]	0.0240 - 0.0315 ± 0.0024
Width/Coil	[inch]	+ 0.1181 / - 0.0000
Width Slit Coil	[inch]	± 0.0079 standard
Longitudinal Curvature	[inch]	≤ 0.0394 on a measuring length of 39.3700
Length	[inch]	0.0000 - 23.6220 + 0.0394 / - 0.0000
	[inch]	23.6221 - 59.0551 + 0.0591 / - 0.0000
	[inch]	59.0552 - 98.4252 + 0.0984 / - 0.0000
	[inch]	98.4253 - 137.7953 + 0.1378 / - 0.0000
Flatness	[%]	1 % of wavelength, max. 0.3150 [inch]
Transversal Divergency	[inch]	≤ 0.0591 (D1-D2) other tolerances on request

Protective Film

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

The optical properties advised above are based on material thicknesses from 0.0157 to 0,0197 inch

¹ based on DIN EN 573-3 (Aluminium) resp. Rolling mill standard

² based on DIN EN 485-2 (Aluminium) resp. Rolling mill standard

