

Product data sheet



Product: 20901L
MIRO-SUN® reflective 90 weatherproof

4700/0299/003/05.22

Additional information Highly reflective weather resistant solar mirror surface

Alloy ¹ Al 1085 or Al 1085 one side clad on Al 1050
Hardness ² H46

Treatment front side (S1) anodised; pvd-coated; lacquered
Treatment reverse side (S2) anodised

Coating system (S1) anodic layer; PVD-Al Layer System; nano-composite lacquer□□

Supply form

Coil, strip, sheet, blanks
Thickness [inch] 0.0197
Width up to [inch] 49.2126

Optical Values

hemispheric solar reflectance [%] 91 ± 2
diffuse solar reflection [%] 10 ± 4

Mechanical Properties

Tensile strength Rm [ksi] > 14.5
Yield strength Rp 0,2 [ksi] > 13.1
Elongation at break A50 [%] ≥ 2
Bending radius ≥ 2.0 x gauge of material

Tolerances

Thickness [inch] 0.0197 ± 0.0012
Width/Coil [inch] + 0.1181 / - 0.0000
Width Slit Coil [inch] ± 0.0079 standard
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 [%] 1,5% of wavelength

Protective Film

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

diffuse and hemispheric solar Reflection are measured according
https://www.solarpaces.org/wp-content/uploads/202004_SolarPACES-Reflectance-Guidelines-V3.1.pdf

The functionality of the protective film can be guaranteed for max. 6 months from delivery, provided

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

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

