

Product data sheet



Product: 1090GP
MIRO® reflective 90

4700/0257/002/03.22

Alloy	¹	Al 1050 or purer
Hardness	²	hard
Treatment front side	(S1)	brightened, anodised and PVD-coated
Treatment reverse side	(S2)	anodised
Coating system	(S1)	PVD - based on Al 99,99
Iridescence assessment	(S1)	absolutely free of interference colours

Supply form

Metal Thickness	[mm]	Coil, strip, sheet, blanks 0,4-0,5
Width up to	[mm]	1250,00

Optical Values

hemispheric solar reflectance	[%]	90 ± 3
diffuse solar reflection	[%]	7 ± 3

Mechanical Properties

Tensile strength Rm	[MPa]	>100
Yield strength Rp 0,2	[MPa]	>90
Elongation at break A50	[%]	2
Bending radius		2.00 - 10.00

Tolerances

Metal Thickness	[mm]	0,04- 0,50 ± 0,04
max Width/Coil	[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
	[mm]	
Flatness	[%]	2 % of wavelength
Transversal Divergency	[mm]	1,5 (D1-D2) other tolerances on request

Protective Film

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

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

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

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

