

Product data sheet



Product: 5100AG
MIRO-SILVER® 8
Lumenal Mat

4700/0408/002/04.23

Alloy	¹	Al 99,85 or Al 99,5/99,85 clad
Hardness	²	H18

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

Coating system	(S1)	PVD - based on AG 99,95
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Iridescence assessment	(S1)	absolutely free of interference colours
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Supply form

Metal Thickness	[mm]	Coil, strip, sheet, blanks	0,40 / 0,50
Width up to	[mm]		1250,00

Optical Values

Total light reflection	[%]	≥ 96,5	DIN 5036-3 (U-Globe) (8°)
Diffuse light reflection	[%]	60 - 75	DIN 5036-3 (U-Globe) (8°)
Reflectance class		A+	DIN EN 16268

Mechanical Properties

Tensile strength Rm	[MPa]	> 130
Yield strength Rp 0,2	[MPa]	> 120
Elongation at break A50	[%]	≥ 2
Bending radius		≥ 1,5 x gauge of material

Tolerances

Metal Thickness	[mm]	0,40 - 0,50 ± 0,04
max Width/Coil	[mm]	+ 3,00 / - 0,00
Width Slit Coil	[mm]	± 0,20 standard
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	[%]	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

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

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

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

