

Product data sheet



Product: 4270AG
MIRO-SILVER® 27
High Specular

4700/0043/001/08.13

Alloy	¹	Al 99,85
Hardness	²	hard

Treatment front side	(S1)	brightened, anodised and PVD-coated
Treatment reverse side	(S2)	anodised
Coating system	(S1)	PVD - based on AG 99,95
Iridescence assessment	(S1)	absolutely free of interference colours

Delivery options

in form of		Coil, strip, sheet, blanks
Thickness from/to	[mm]	0,20 - 0,80
Width up to	[mm]	1250,00

Optical Values

Total light reflection	[%]	≥ 98	DIN 5036-3 (U-Globe) (8°)
Diffuse light reflection	[%]	≤ 6	DIN 5036-3 (U-Globe) (8°)
Brightness along	[-]	≥ 93	ISO 7668 (60°)
Brightness across	[-]	≥ 92	ISO 7668 (60°)
Reflectance class		A+	DIN EN 16268

Mechanical Properties

Yield strength Rp 0,2	[MPa]	140 - 180
Tensile strength Rm	[MPa]	160 - 200
Elongation A50	[%]	≥ 2
Deformation/Bending/Bending radius		≥ 1,5 x gauge of material

Tolerances

Thickness from/to	[mm]	0,20 - 0,50 ± 0,04
	[mm]	0,51 - 0,60 ± 0,05
	[mm]	0,61 - 0,80 ± 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)

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 resp. rolling mill standard

² based on DIN EN 485-2 resp. rolling mill standard

