

Product data sheet



Product: 4270AG
MIRO-SILVER® 27
High Specular

4700/0043/003/09.20

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

Supply form

Thickness	[inch]	Coil, strip, sheet, blanks 0.0079 - 0.0315
Width up to	[inch]	49.2126

Optical Values

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

Mechanical Properties

Yield strength Rp 0,2	[ksi]	20.3 - 26.1
Tensile strength Rm	[ksi]	23.2 - 29.0
Elongation at break A50	[%]	≥ 2
Bending radius		≥ 1.5 x gauge of material

Tolerances

Thickness	[inch]	0.0079 - 0.0197 ± 0.0016
	[inch]	0.0201 - 0.0236 ± 0.0020
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

