

Product data sheet

Product: 5120GP
MIRO® 8 - Lumenal Mat

4700/0413/001/08.13

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 Al 99,99
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Iridescence assessment	(S1)	absolutely free of interference colours
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Supply form

Thickness	[inch]	Coil, strip, sheet, blanks 0.0118 - 0.0315
Width up to	[inch]	49.2126

Optical Values

Total light reflection	[%]	≥ 94	DIN 5036-3 (U-Globe) (8°)
Diffuse light reflection	[%]	60 - 67	DIN 5036-3 (U-Globe) (8°)
Brightness 60° along	[-]	82 - 84	ISO 7668 (60°)
Brightness 60° across	[-]	82 - 84	ISO 7668 (60°)
Reflectance class		A	DIN EN 16268

Mechanical Properties

Yield strength Rp 0,2	[ksi]	18.9 - 23.9
Tensile strength Rm	[ksi]	20.3 - 25.4
Elongation at break A50	[%]	≥ 2
Bending radius		≥ 1.5 x gauge of material

Tolerances

Thickness	[inch]	0.0118 - 0.0197 ± 0.0016
	[inch]	0.0201 - 0.0236 ± 0.0020
	[inch]	0.0240 - 0.0315 ± 0.0024
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

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

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

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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

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

