Product data sheet

Product: 2000GP
MIRO® 20 - Scatter Gloss

4700/0296/001/08.13

Alloy	[1]	Al 99,85
Hardness	[2]	3/4 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

Delivery options

in form of		Coil, strip, sheet, blanks
Thickness from/to	[inch]	0.0157 - 0.0315
Width up to	[inch]	49.2126

Optical Values

Total light reflection	[%]	≥ 94	DIN 5036-3 (U-Globe) (8°)
Diffuse light reflection	[%]	≥ 94	DIN 5036-3 (U-Globe) (8°)
Brightness 60° along	[-]	15 - 25	ISO 7668 (60°)
Brightness 60° across	[-]	20 - 30	ISO 7668 (60°)
Reflectance class		A	DIN EN 16268

Mechanical Properties

Yield strength Rp 0,2	[ksi]	13.8 - 16.7
Tensile strength Rm	[ksi]	14.5 - 17.4
Elongation A50	[%]	≥ 2
Deformation/Bending/Bending radius		≥ 1.5 x gauge of material

Tolerances

Thickness from/to	[inch]	0.0157 - 0.0197 ± 0.0016
	[inch]	0.0201 - 0.0236 ± 0.0020
	[inch]	0.0240 - 0.0315 ± 0.0024
Width/Coil up to	[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

[1] based on DIN EN 573-3 (Aluminium), DIN EN 13599 (Copper) resp. Rolling mill standard

[2] based on DIN EN 485-2 (Aluminium), DIN EN 1652 (Copper) resp. Rolling mill standard

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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), DIN EN 13599 (Copper) resp. Rolling mill standard

[2] based on DIN EN 485-2 (Aluminium), DIN EN 1652 (Copper) resp. Rolling mill standard