

Product data sheet



Product: **633G3**
 Semi-Mat

4700/0427/001/08.13

Alloy	¹	AlFe1Si
Hardness	²	1/2 hard

Treatment front side	(S1)	brightened, anodised
Treatment reverse side	(S2)	anodised

Iridescence assessment (S1) reduced Iridescence

Supply form

Thickness	[inch]	Coil, strip, sheet, blanks	0.0197
Width up to	[inch]		49.2126

Optical Values

Total light reflection	[%]	≥ 80	DIN 5036-3 (U-Globe) (8°)
Diffuse light reflection	[%]	≥ 76	DIN 5036-3 (U-Globe) (8°)
Brightness 60° along	[-]	25 - 30	ISO 7668 (60°)
Brightness 60° across	[-]	20 - 25	ISO 7668 (60°)

Mechanical Properties

Yield strength Rp 0,2	[ksi]	16.7 - 22.5
Tensile strength Rm	[ksi]	18.1 - 23.9
Elongation at break A50	[%]	≥ 2
Bending radius		≥ 1.5 x gauge of material

Tolerances

Thickness	[inch]	0.0197 ± 0.0016
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

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

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

