

Product data sheet



Product: **600G2**
 Semi-Specular

4700/0417/002/04.15

Alloy ¹ Al 99,7 Mg 0,50 Cu
Hardness ² 3/4 hard

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

Iridescence assessment (S1) controlled iridescence

Supply form

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

Optical Values

Total light reflection	[%]	≥ 84	DIN 5036-3 (U-Globe) (8°)
Diffuse light reflection	[%]	62 - 70	DIN 5036-3 (U-Globe) (8°)
Brightness 60° along	[-]	38 - 53	ISO 7668 (60°)
Brightness 60° across	[-]	33 - 48	ISO 7668 (60°)

Mechanical Properties

Yield strength Rp 0,2	[ksi]	≥ 17.4
Tensile strength Rm	[ksi]	21.8 - 27.6
Elongation at break A50	[%]	≥ 1
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
	[inch]	± 0.0079 standard
Width Slit Coil	[inch]	± 0.0079 standard
	[inch]	≤ 0.0394 on a measuring length of 39.3700
	[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
Longitudinal Curvature	[inch]	98.4253 - 137.7953 + 0.1378 / - 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

