

# Product data sheet



**Product:** 318G2  
High specular

4700/0004/002/06.22

---

**Alloy** <sup>1</sup> Al 99,85  
**Hardness** <sup>2</sup> 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 - 0.0472  
Width up to [inch] 49.2126

---

## Optical Values

Total light reflection	[%]	87±2	DIN 5036-3 (U-Globe) (8°)
Diffuse light reflection	[%]	8±3	DIN 5036-3 (U-Globe) (8°)
Brightness 60° along	[-]	80±3	ISO 7668 (60°)
Brightness 60° across	[-]	80±3	ISO 7668 (60°)

---

## Mechanical Properties

Yield strength Rp 0,2	[ksi]	>15.23
Tensile strength Rm	[ksi]	>18.13
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 - 0.0394 ± 0.0024
	[inch]	0.0398 - 0.0472 ± 0.0028
	[inch]	+ 0.1181 / - 0.0000
Width/Coil	[inch]	± 0.0079 standard
Width Slit Coil	[inch]	± 0.0079 standard
Longitudinal Curvature Length	[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
	[inch]	98.4253 - 137.7953 + 0.1378 / - 0.0000
Flatness	[%]	2 % of wavelength
Transversal Divergency	[inch]	≤ 0.0591 (D1-D2)
		other tolerances on request

---

## Protective Film

Protective Film Type	[-]	PE - Film
Protective Film Thickness	[µm]	50 - 60

---

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

<sup>2</sup> based on DIN EN 485-2 (Aluminium) resp. Rolling mill standard



# Product data sheet



4700/0004/002/06.22

---

The optical properties advised above are based on material thicknesses from 0.0157 to 0,0197 inch

---

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

<sup>2</sup> based on DIN EN 485-2 (Aluminium) resp. Rolling mill standard

