

# Product data sheet



**Product:**                   **300G**  
                                     **High Specular**

4700/0307/001/08.13

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<b>Alloy</b>	<sup>1</sup>	Al 99,85
<b>Hardness</b>	<sup>2</sup>	hard

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

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Iridescence assessment (S1) no demand for iridescence

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## Supply form

Thickness	[inch]	Coil, strip, sheet, blanks 0.0079 - 0.0472
Width up to	[inch]	49.2126

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## Optical Values

Total light reflection	[%]	≥ 86	DIN 5036-3 (U-Globe) (8°)
Diffuse light reflection	[%]	≤ 14	DIN 5036-3 (U-Globe) (8°)
Brightness 60° along	[-]	≥ 81	ISO 7668 (60°)
Brightness 60° across	[-]	≥ 78	ISO 7668 (60°)

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## Mechanical Properties

Yield strength Rp 0,2	[ksi]	20.3 - 26.1
Tensile strength Rm	[ksi]	23.2 - 29.0
Elongation at break A50	[%]	≥ 2
Bending radius		≥ 1.5 x gauge of material

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## Tolerances

Thickness	[inch]	0.0079 - 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	[%]	1 % of wavelength, max. 0.3150 [inch]
Transversal Divergency	[inch]	≤ 0.0591 (D1-D2)
		other tolerances on request

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## Protective Film

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

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<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



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The optical properties advised above are based on material thicknesses 0,0157 and 0,0197 inch

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

