

# Product data sheet



Product: 1520G3  
Luminal Mat

4700/0290/001/08.13

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) reduced Iridescence

## Supply form

Metal Thickness [mm] Coil, strip, sheet, blanks  
0,30 - 1,20  
Width up to [mm] 1250,00

## Optical Values

Total light reflection	[%]	86	DIN 5036-3 (U-Globe) (8°)
Diffuse light reflection	[%]	70 - 75	DIN 5036-3 (U-Globe) (8°)
Brightness 60° along	[-]	65 - 70	ISO 7668 (60°)
Brightness 60° across	[-]	50 - 62	ISO 7668 (60°)

## Mechanical Properties

Yield strength Rp 0,2	[MPa]	130 - 165
Tensile strength Rm	[MPa]	140 - 175
Elongation at break A50	[%]	2
Bending radius		1,5 x gauge of material

## Tolerances

Metal Thickness	[mm]	0,30 - 0,50 ± 0,04
	[mm]	0,51 - 0,60 ± 0,05
	[mm]	0,61 - 1,00 ± 0,06
	[mm]	1,01 - 1,20 ± 0,07
max Width/Coil	[mm]	+ 3,00 / - 0,00
Width Slit Coil	[mm]	± 0,20 standard
Longitudinal Curvature	[mm]	1,00 on a measuring length of 1000 mm
Length	[mm]	0 - 600 + 1,00 / - 0,00
	[mm]	601 - 1500 + 1,50 / - 0,00
	[mm]	1501 - 2500 + 2,50 / - 0,00
	[mm]	2501 - 3500 + 3,50 / - 0,00
Flatness	[%]	1 % of wavelength, max. 8 mm
Transversal Divergency	[mm]	1,5 (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



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The optical properties advised above are based on material thicknesses from 0,40 to 0,50 mm

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

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