

Product data sheet

1165G3

Product Eloxal, Millfinish, reflection

Delivery options Coil, strip, sheet, blanks

Thickness of up [inch] 0,0118 - 0,0472

Width of up to max [inch] 49,2125

Optical Properties		Front (S1)	Rear (S2)
Total light reflection ¹	[%]	≥ 84	
Diffuse light reflection	[%]	80 - 84	
Total light reflection ²	[%]	≥ 84	
Brightness ³ along		19 - 25	
across		6 - 8	

Surface Properties

Treatment (S1) brightened, anodised

Anodized (S1) [µm] 2,30 ± 0,20

Material / Alloy⁵ AL Mg1

Hardness⁶ 1/2 Hard

Mechanical Properties

Tensile strength [MPa] 23,2 - 26,8

Yield strength [MPa] 21,8 - 25,4

Elongation (A50) [%] ≥ 2

Deformation / Bending [Bending radius] ≥ 1,5 x gauge of material

Tolerances

Gauge [inch] 0,0079 - 0,0197 ± 0,0016 0,0240 - 0,0394 ± 0,0024

[inch] 0,0201 - 0,0236 ± 0,0020 0,0398 - 0,0472 ± 0,0028

Width / Coil [inch] + 0,1181

Width Slit Coil [inch] ± 0,0079 Standard ± 0,0020 Special

Longitudinal Curvature [inch] ≤ 0,0394 on a measuring length of 39.37 inches

Sheet [inch] - 23,6220 + 0,0394 - 59,0550 - 98,4250 + 0,0984 -

[inch] 23,6220 - 59,0550 + 0,0591 - 98,4250 - 137,7950 + 0,1378 -

Transversal divergency [inch] ≤ 0,0591 (D1-D2)

PE-Film Protective film

50-60 µm

¹DIN 5036-3 (U-Globe)

²ASTM E-1651 (TR-2)

³ISO 7688 (60° / calibrated 91.8)

⁴ASTM E-430 (Hunter Dorigon, Tricolor DOI Hazemeter)

⁵acc. to DIN EN 573-3/Millsnorm/Other

⁶acc. to DIN EN 485-2 / Millsnorm / Other