

Product data sheet

300G

Product raw - material, Extra Bright Rolled, reflection

Additional information

Delivery options Coil, strip, sheet, blanks

Thickness of up [mm] 0,30 - 0,70

Width of up to max [mm] 1250,00

Optical Properties		Front (S1)	Rear (S2)
Total light reflection ¹	[%]	≥ 86	
Diffuse light reflection	[%]	< 14	
Total light reflection ²	[%]	≥ 86	
Brightness ³ along		81	
across		78	

Surface Properties

Treatment (S1) brightened, anodised

Iridescence Assessment (S1) no demand for iridescence

Treatment (S2) anodised

Material / Alloy⁵ AL 99.85

Hardness⁶ hard

Mechanical Properties

Tensile strength [MPa] 160 - 200

Yield strength [MPa] 140 - 180

Elongation (A50) [%] ≥ 2

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

Tolerances

Gauge [mm] 0,20 - 0,50 ± 0,04 0,61 - 1,00 ± 0,06

[mm] 0,51 - 0,60 ± 0,05

Width / Coil [mm] + 3,00 / - 0,00

Width Slit Coil [mm] ± 0,20 Standard ± 0,05 Special

Longitudinal Curvature [mm] ≤ 1,00 on a measuring length of 1000 mm

Sheet [mm] 0,00 - 600,00 + 1,00 - 0,00 1500,00 - 2500,00 + 2,50 - 0,00

[mm] 600,00 - 1500,00 + 1,50 - 0,00 2500,00 - 3500,00 + 3,50 - 0,00

Transversal divergency [mm] ≤ 1,50 (D1-D2)

Flatness [mm] 1,00% of wavelength maximum 8,00 [mm]

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