

Product Data Sheet



alanod

ALANOD Aluminium
Veredlung GmbH u. Co. KG

310G1 / 04

30.06.2000

310G1

Quality: highgloss

Additional Information

Availability

Thickness from to [mm] 0,30 - 1,20
max. width [mm] 1250,00

Alloy:¹ Al 99,85

Hardness:² hard

Mechanical Properties:

Tensile strength [MPa] 160 - 200
Yield strength [MPa] 140 - 180
Elongation (A50) [%] ≥ 2
Deformation/Bending: bending radius $\geq 1,5$ x gauge of material

Treatment Front: (S1) electrolytically brightened anodized

Treatment Rear: (S2) electrolytically anodized

Oxide layer: [µm] (S1) 1,1 ± 0,2

Iridescent colours (S1) grade G = no demand for iridescence

Tolerances

Coil, strip, sheet, blanks
Gauge: [mm] 0,20 - 0,50 ± 0,04 0,61 - 1,00 ± 0,06
[mm] 0,51 - 0,60 ± 0,05 1,01 - 1,20 ± 0,07
Width/Coil: [mm] +3,00 /-0.00
Width Slit Coil: [mm] ±0,20 Standard ±0,05 Special
Longitudinal Curvature: [mm] $\leq 1,00$ on a measuring length of 1000mm
Sheet: [mm] 0 - 600 +1,0/-0.00
[mm] 600 - 1500 +1,5/-0.00
[mm] 1500 - 2500 +2,5/-0.00
[mm] 2500 - 3500 +3,5/-0.00
Flatness: 1% of wavelength maximum 8 [mm]
Transversal divergency: [mm] $\leq 1,50$ (D1-D2)

Optical Properties:

Total light reflection: (S1) [%] ≥ 87 DIN 5036-3 (U-Globe)
Diffuse light reflection: (S1) [%] < 14 DIN 5036-3 (U-Globe)
Total light reflection: (S1) [%] ≥ 87 ASTM E-1651 (TR-2)
Brightness along: [] 80 ISO 7668 (60° / calibrated 91.8)
across: [] 78 ISO 7668 (60° / calibrated 91.8)
Brightness Image Clarity [] ≥ 94 ASTM E-430 (Hunter Dorigon)
Diffuseness [] $\leq 0,01$ ASTM E-430 (Hunter Dorigon)

Protective Film: PE - Foil
gauge 50 - 60 µm

Characteristic:

¹ acc. to DIN EN 573-3/Millsnorm/Other

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