

Quality Data Sheet



ALANOD Aluminium
Veredlung GmbH u. Co. KG

8510GP / 04

30.06.2000

8510GP

Quality: 8510GP Erotex

Additional Information

Availability

Thickness from to [mm] 0,30 - 0,80

max. width [mm] 1250,00

Alloy:¹ Al 99,9

Hardness:² hard

Mechanical Properties:

Tensile strength [MPa] 160 - 200

Yield strength [MPa] 140 - 180

Elongation (A50) [%] ≥ 2

Deformation/Bending: bending $\geq 1,5$ x gauge of material

Treatment Front: (S1) electrolytically brightened anodized and PVD coated

PVD layer (S1) PVD Al 99,99

Iridescent colours (S1) absolutly colourfree

Tolerances

Gauge: Coil, strip, sheet, blanks [mm] 0,20 - 0,50 $\pm 0,04$ 0,61 - 0,80 $\pm 0,06$

[mm] 0,51 - 0,60 $\pm 0,05$

Width/Coil: [mm] +3,00 /-0.00

Width Slit Coil: [mm] $\pm 0,20$ Standard $\pm 0,05$ 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) [%] ≥ 94 DIN 5036-3 (U-Globe)

Diffuse light reflection: (S1) [%] 72 - 78 DIN 5036-3 (U-Globe)

Total light reflection: (S1) [%] ≥ 94 ASTM E-1651 (TR-2)

Brightness along: [] 41 - 47 ISO 7768 (60° / calibrated 91.8)

across: [] 37 - 43 ISO 7768 (60° / calibrated 91.8)

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