

Quality Data Sheet



ALANOD Aluminium
Veredlung GmbH u. Co. KG

5100GP

Quality: 5100GP MIRO-8, Lumenal Mat

Additional Information

5100GP / 04

30.06.2000

Availability

Thickness from to [mm] 0,30 - 0,80
max. width [mm] 1250,00

Alloy:¹ Al 99,85

Hardness:² hard

Mechanical Properties:

Tensile strength [MPa] 140 - 175
Yield strength [MPa] 130 - 165
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

Coil, strip, sheet, blanks
Gauge: [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) [%] 60 - 67 DIN 5036-3 (U-Globe)
Total light reflection: (S1) [%] ≥ 94 ASTM E-1651 (TR-2)

Brightness along: [] 82 - 84 ISO 7768 (60° / calibrated 91.8)
across: [] 82 - 84 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