

# Quality Data Sheet



ALANOD Aluminium  
Veredlung GmbH u. Co. KG

## 4200GP

**Quality:** 4200GP MIRO-2, Highgloss

### Additional Information

4200GP / 04

30.06.2000

### Availability

Thickness from to [mm] 0,20 - 0,80

max. width [mm] 1250,00

**Alloy:**<sup>1</sup> Al 99,9

**Hardness:**<sup>2</sup> hard

### Mechanical Properties:

Tensile strength [MPa] 160 - 200

Yield strength [MPa] 140 - 180

Elongation (A50) [%]  $\geq 2$

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: [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) [%]  $\geq 95$  DIN 5036-3 (U-Globe)

Diffuse light reflection: (S1) [%]  $< 5$  DIN 5036-3 (U-Globe)

Total light reflection: (S1) [%]  $\geq 95$  ASTM E-1651 (TR-2)

Brightness along: [ ] 91 ISO 7768 (60° / calibrated 91.8)

across: [ ] 91 ISO 7768 (60° / calibrated 91.8)

Brightness Image Clarity [ ]  $\geq 96$  ASTM E-430 (Hunter Dorigon)

Diffuseness [ ] 0,00 ASTM E-430 (Hunter Dorigon)

**Protective Film:** PE - Foil  
gauge 50 - 60  $\mu\text{m}$

### Characteristic:

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

<sup>2</sup> acc. to DIN EN 485-2/Millsnorm/Other