

# Product data sheet



Product: 1100G  
Reflector Diffuse

4700/0260/002/08.14

Alloy <sup>1</sup> > 99,7% Al  
Hardness <sup>2</sup> hard

Treatment front side (S1) brightened, anodised  
Treatment reverse side (S2) anodised

Iridescence assessment (S1) controlled iridescence

## Supply form

Metal Thickness [mm] Coil, strip, sheet, blanks  
0.30 - 0.50  
Width up to [mm] 1250,00

## Optical Values

|                          |     |         |                           |
|--------------------------|-----|---------|---------------------------|
| Total light reflection   | [%] | 84      | DIN 5036-3 (U-Globe) (8°) |
| Diffuse light reflection | [%] | 80 - 84 | DIN 5036-3 (U-Globe) (8°) |
| Brightness 60° along     | [-] | 30 - 55 | ISO 7668 (60°)            |
| Brightness 60° across    | [-] | 10 - 25 | ISO 7668 (60°)            |

## Mechanical Properties

|                         |       |                         |
|-------------------------|-------|-------------------------|
| Yield strength Rp 0,2   | [MPa] | 150 - 175               |
| Tensile strength Rm     | [MPa] | 160 - 185               |
| Elongation at break A50 | [%]   | 2                       |
| Bending radius          |       | 1,5 x gauge of material |

## Tolerances

|                        |      |                                       |
|------------------------|------|---------------------------------------|
| Metal Thickness        | [mm] | 0,30 - 0,50 ± 0,04                    |
| max Width/Coil         | [mm] | + 3,00 / - 0,00                       |
| Width Slit Coil        | [mm] | ± 0,20 standard                       |
| Longitudinal Curvature | [mm] | 1,00 on a measuring length of 1000 mm |
| Length                 | [mm] | 0 - 600 + 1,00 / - 0,00               |
|                        | [mm] | 601 - 1500 + 1,50 / - 0,00            |
|                        | [mm] | 1501 - 2500 + 2,50 / - 0,00           |
|                        | [mm] | 2501 - 3500 + 3,50 / - 0,00           |
| Flatness               | [%]  | 1 % of wavelength, max. 8 mm          |
| Transversal Divergency | [mm] | 1,5 (D1-D2)                           |
|                        |      | other tolerances on request           |

## Protective Film

|                           |      |           |
|---------------------------|------|-----------|
| Protective Film Type      | [-]  | PE - Film |
| Protective Film Thickness | [µm] | 50 - 60   |

<sup>1</sup> based on DIN EN 573-3 (Aluminium) resp. Rolling mill standard

<sup>2</sup> based on DIN EN 485-2 (Aluminium) resp. Rolling mill standard

