

Product Data Sheet



alanod

ALANOD Aluminium
Veredlung GmbH u. Co. KG

1100G / 02

04.03.2010

1100G

Reflektor diffus

Quality:

Additional Information

Availability

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

Alloy:¹ Al99,7

Hardness:² hard

Mechanical Properties:

Tensile strength	[MPa]	160 - 185
Yield strength	[MPa]	150 - 175
Elongation (A50)	[%]	≥ 2
Deformation/Bending:	bending radius	≥ 1,5 x gauge of material

Treatment Front: (S1) electrolytically brightened anodized

Treatment Rear: (S2) electrolytically anodized

Oxide layer: [µm] (S1) 2,8 ± 0,2

Iridescent colours (S1) grade 2 = controlled colours

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]	≤ 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	
Transversal divergency:	[mm]	≤ 1,50 (D1-D2)	

Optical Properties:

Total light reflection:	(S1) [%]	≥ 84	DIN 5036-3 (U-Globe)
Diffuse light reflection:	(S1) [%]	80 - 84	DIN 5036-3 (U-Globe)
Total light reflection:	(S1) [%]	≥ 84	ASTM E-1651 (TR-2)
Brightness	along: []	30 - 55	ISO 7668 (60° / calibrated 91.8)
	across: []	10 - 25	ISO 7668 (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