

Product data sheet



Product: 5011GP
MIRO® 5 - Reflector Diffuse

4700/0404/002/08.14

Alloy ¹ > 99,7% Al
Hardness ² hard

Treatment front side (S1) brightened, anodised and PVD-coated
Treatment reverse side (S2) anodised

Coating system (S1) PVD - based on Al 99,99

Iridescence assessment (S1) absolutely free of interference colours

Supply form

Metal Thickness [mm] Coil, strip, sheet, blanks
0,30 - 0,50
Width up to [mm] 1250,00

Optical Values

Total light reflection	[%]	94	DIN 5036-3 (U-Globe) (8°)
Diffuse light reflection	[%]	80 - 90	DIN 5036-3 (U-Globe) (8°)
Brightness 60° along	[-]	60 - 75	ISO 7668 (60°)
Brightness 60° across	[-]	25 - 50	ISO 7668 (60°)
Reflectance class		A	DIN EN 16268

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
	[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

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

² based on DIN EN 485-2 (Aluminium) resp. Rolling mill standard

