

# Product data sheet



Product: 4270KOS  
MIRO® 27 - High Specular

4700/0727/001/08.13

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Alloy	<sup>1</sup>	Al 99,85
Hardness	<sup>2</sup>	hard

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Treatment front side	(S1)	brightened, anod., PVD-coated, clear lacquered
Treatment reverse side	(S2)	anodised

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Coating system	(S1)	PVD - based on Al 99,99
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Delivery options in form of		Coil, strip, sheet, blanks
Thickness from/to	[inch]	0.0118 - 0.0295
Width up to	[inch]	49.2126

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Optical Values			
Total light reflection	[%]	92	DIN 5036-3 (U-Globe) (8°)
Brightness 60° along	[-]	87	ISO 7668 (60°)
Brightness 60° across	[-]	87	ISO 7668 (60°)

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Mechanical Properties		
Yield strength Rp 0,2	[ksi]	18.1 - 22.5
Tensile strength Rm	[ksi]	18.9 - 23.2
Elongation A50	[%]	2
Deformation/Bending/Bending radius		2.0 x gauge of material

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Tolerances		
Thickness from/to	[inch]	0.0118 - 0.0197 ± 0.0016
	[inch]	0.0201 - 0.0236 ± 0.0020
	[inch]	0.0240 - 0.0295 ± 0.0024
Width/Coil up to	[inch]	+ 0.1181 / - 0.0000
Width Slit Coil	[inch]	± 0.0079 standard
Longitudinal Curvature	[inch]	0.0394 on a measuring length of 39.3700
Length	[inch]	0.0000 - 23.6220 + 0.0394 / - 0.0000
	[inch]	23.6221 - 59.0551 + 0.0591 / - 0.0000
	[inch]	59.0552 - 98.4252 + 0.0984 / - 0.0000
	[inch]	98.4253 - 137.7953 + 0.1378 / - 0.0000
Flatness	[%]	1 % of wavelength, max. 0.3150 [inch]
Transversal Divergency	[inch]	0.0591 (D1-D2)
		other tolerances on request

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

The optical properties advised above are based on material thicknesses 0.0157 and 0,0197 inch

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<sup>1</sup> based on DIN EN 573-3 (Aluminium), DIN EN 13599 (Copper) resp. Rolling mill standard

<sup>2</sup> based on DIN EN 485-2 (Aluminium), DIN EN 1652 (Copper) resp. Rolling mill standard

