

# Product data sheet



Product: MS1300TS  
mirosol® TS  
selective absorptive lacquer

4700/0138/005/10.19

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Alloy	<sup>1</sup>	1050 or purer
Hardness	<sup>2</sup>	1/2 hard

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Treatment front side	(S1)	anodised and lacquered
Treatment reverse side	(S2)	anodised

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Coating system	(S1)	selective lacquer (black)
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Delivery options in form of		Coil, strip, sheet, blanks
Thickness from/to	[mm]	0,30 - 0,50
Width up to	[mm]	1250,00

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Optical Values			
Solare Absorption	[α sol]	0,90 ± 0,02	
Thermal emission at	[ε @ 100°C]	0,20 ± 0,03	
Colour value a*	[-]	-1 up to +2	DIN 5033-7 (10°)
Colour value b*	[-]	-1 up to +2	DIN 5033-7 (10°)

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Mechanical Properties		
Tensile strength Rm	[MPa]	≥ 105
Yield strength Rp 0,2	[MPa]	≥ 85
Elongation A50	[%]	≥ 2

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Tolerances		
Thickness from/to	[mm]	0,30 - 0,50 ± 0,04
Width/Coil up to	[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

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

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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

