



Technical Data Sheet for siliconized polyester coating



Panel Thickness

4mm

1.0	Panel Dimensions		
1.1	Aluminum Thickness	mm	0.3
1.2	Panel Weight	Kg/m ²	5.9
1.3	Standard Length	mm	3.20 & 3.50
1.4	Standard Width	mm	1.22 & 1.25 & 1.50
2.0	Panel Tolerances		
2.1	Panel Thickness	mm	± 0.2
2.2	Panel Width	mm	-0.00 +2.00
2.3	Panel Length	mm	-0.00 +4.00
2.4	Diagonal Difference	mm	Max. 3
3.0	Mechanical Characteristics of Aluminum Cover		
3.1	Tensile strength (Rm)	N/mm ²	≥ 130
3.2	Yield strength (Rq0.2)	N/mm ²	≥ 104
3.3	Elongation	%	≥ 3.48%
3.4	Modulus of Elasticity	N/mm ²	60900
3.5	Rigidity	KN/m ² /m	0.21
3.6	Shear resistance	kgf/mm ²	2.262
4.0	Alloy		Al 3003
5.0	Temperature Cycle Resistance		
5.1	Decrease Rate Of Peel Strength	%	3
5.2	Coating Adhesive		Class 0 Class 1
5.3	Appearance		No change
5.4	Distortion temperature	°c	115
6.0	General Properties		
6.1	Peel strength	N. mm/mm (Average)	146
6.2	Bending Strength	Mpa	125
6.3	Gloss Difference	Gloss ≥ 70	≤ 5
		Gloss < 70	≤ 10
6.4	Color Retention	ΔE	< 3
6.5	Coating Thickness	μm	≥ 27
6.6	Sound- Insulating Rate	dB	29
6.7	Hardness- Pencil		≥ 2H
6.8	Chalk resistance		No chalking
6.9	Acid Resistance		No effect
6.10	Alkali Resistance		passed
6.11	Solvent Resistance		passed
6.12	Toughness		passed

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