

Material Data Sheet

Material Construction: SL 101 / annealed Al 18 µm / SL 101

PROPERTIES	UNIT	METHOD	TYPICAL VALUE
Materials			
Al thickness	µm		18 ± 8 %
Al content of foil	%		>98
Unit Thickness	µm	Calculated	22 ± 10 %
Unit Weight	g/m ²	Calculated	51 ± 10 %
Width	mm		25-1250
Primer System SL 101			
Amount	g/m ²		1-2.5
Mechanical and Thermal			
Tensile strength	MPa	ASTM D-882	60-120
Elongation A ₁₀₀	%	ASTM D-882	>2
Electrical			
Conductivity (Aluminum)	W/mK	supplier data	200-240
Resistivity (Aluminum)	Ohm*m	supplier data	27-37x10 ⁻⁹
Specific heat	J/kg*K	supplier data	880-950
Sealing conditions			
Softening temperature	°C		>100
Sealing temperature of roller	°C		>150
Compliances			
RoHS			YES
REACH			YES

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