

# Antistatic Foil METOSTAT MST-100

## Elektrostatic dissipative, non adhesive Polyester Foil

- Very pure, transparent polyester film with high tensile strength
- Both-sided antistatic coating, non adhesive
- Permanent, airmoisture independent electrostatic dissipative coating
- Corresponds to the requirements of DIN EN 61340-5-1
- Minimal triboelectric charging
- Very good electrostatic discharge behavior
- Excellent transparency, chemical resistance and abrasion resistance
- Ideal for applications in semiconductor and electronics manufacturing
- Also suitable for production in clean rooms, e.g. Retrofitting existing non-dissipative
- Acrylic or polycarbonate glazing
- Copy capability
- Foli thickness 0.1mm,
- Delivery forms: cut A4, roll material 122 cm wide, 10 / 100 m long.
- Rolling sections on request



Propoertiest	Test Method	Unit	MST-100-K (100 µm)
<b>Mechanical</b>			
Tensile Strength MD	ASTM D-882A	N/mm <sup>2</sup>	172
Tensile Strength TD	ASTM D-882A	N/mm <sup>2</sup>	241
Yield Strength MD	ASTM D-882A	N/mm <sup>2</sup>	97
Yield Strength TD	ASTM D-882A	N/mm <sup>2</sup>	97
Break Elongation MD	ASTM D-882A	%	200
Break Elongation TD	ASTM D-882A	%	120
Pencil Hardness	ASTM D-3363		3H
<b>Thermal</b>			
Shrinkage MD / TD	Tensile free at 5 Minuten and 150° C	%	0,8
<b>Optical</b>			
Transparency	ASTM D-1003	%	80
UV-Transparency	ASTM D-1003	%	10
Turbidity	ASTM D-1003	%	7,3
<b>Elektrical</b>			
Surface Resistance RS	DIN EN 61340-2-3	Typical 10 <sup>6</sup> – 10 <sup>8</sup> Ω	Requirements 1 x 10 <sup>5</sup> ≤ RP ≤ 1 x 10 <sup>11</sup> Ω DIN EN 61340-5-1
Point to point-Resistance RP			

MD = in Machine direction, TD = Transverse direction

### Chemical resistance acc. to ASTM-D-543

A sample was immersed in the corresponding chemical at room temperature for 24 hours and then subjected to visual inspection.

No influence on the surface and no cloudiness occurred with the following media: Deionized water, 30% sulfuric acid, 30% nitric acid, 30% hydrochloric acid, methanol, ethanol, IPA. A slight haze occurred with acetone

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