

Antistatic Foil METOSTAT MST 100K

Elektrostatic dissipative, self adhesive Polyester Foil

- Very pure, transparent polyester film with high tensile strength
- One-sided adhesive coating
- Permanent, air moisture 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
- Foil 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)
Mechanical			
Tensile Strength MD	ASTM D-882A	N/mm 2	172
Tensile Strength TD	ASTM D-882A	N/mm 2	241
Yield Strength MD	ASTM D-882A	N/mm 2	97
Yield Strength TD	ASTM D-882A	N/mm 2	97
Break Elongation MD	ASTM D-882A	%	200
Break Elongation TD	ASTM D-882A	%	120
Pencil Hardness	ASTM D-3363		3H
Thermal			
Shrinkage MD / TD	Tensile free at 5 Minuten and 150° C	%	0,8
Optical			
Transparency	ASTM D-1003	%	80
UV-Transparency	ASTM D-1003	%	10
Turbidity	ASTM D-1003	%	7,3
Elektrical			
Surface Resistance RS	DIN EN 61340-2-3	10 ⁶ – 10 ⁸ Ω	1 x 10 ⁵ ≤ RP ≤ 1 x 10 ¹¹ 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

The above statements are based on our present knowledge. Our statements should not be interpreted as a guarantee of characteristics. The use of our products by our customers is subject to different conditions, therefore none of our customers are relieved of the responsibility of testing our products by themselves. A liability for consequential damage will not be accepted in any case. For damage resulting from the use of this information we can only be held responsible if there is evidence of malice or negligence on our part. This data-sheet replaces any previous data sheets.

ASMETEC, METODRILL, METOCHECK, METOLIGHT, METOSTAT, METOCLEAN and METO are registered trade marks of ASMETEC GmbH.
MST-100K-DB-E.doc, version Okt-18