

Technical Information

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DPF.100 Electrostatic Dissipative Polyester Film (Part No: 5235.DPF.100)

- High tear strength clean Polyester film
- Permanent electrostatic dissipative on both sides
- Complies with EN 61340-5-1 and ANSI/ESD S20.20-1999
- Humidity independent
- Very low tribocharge generation and excellent electrostatic decay performance
- High clarity, good chemical and abrasion resistance
- Ideal for PCB manufacturing assembly and testing
- Suitable for clean manufacturing applications

Typical Physical Properties

Property	Test Method	Units	DPF.100 100 microns
Mechanical			
Tensile Strength	ASTM D-882A		
MD		PSI	25.000
TD		PSI	35.000
Yield Strength	ASTM D-882A		
MD		PSI	14.000
TD		PSI	14.000
Elongation at Break	ASTM D-882A		
MD		%	200
TD		%	120
Pencil Hardness	ASTM D-3363	Hardness Scale	3H
Thermal			
Shrinkage	150°C for 5 min		
MD	I.H TEST	%	0,8
TD	METHOD	%	0,8
Optical			
Transmittance - total	ASTM D-1003	%	80
Haze	ASTM D-1003	%	7,3
Electrical			
Surface Resistance	EN 61340-5-1 EN 61340-2-3	ohms	$10^6 - 10^8$

MD = Machine Direction

TD = Transversal Direction

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Chemical Resistance ASTM D-543:

The samples were immersed in the specified chemicals for 24 hours at room temperature and then visually examined.

Chemical	Surface Attack	Visual Evaluation
Deionized Water	None	Clear
30% Sulphuric Acid	None	Clear
30% Nitric Acid	None	Clear
30% HCL	None	Clear
Methanol	None	Clear
Ethanol	None	Clear
Isopropyl Alcohol	None	Clear
Acetone	None	Slight Change
Methylene Chloride	None	Clear