

Lumirror™ #500 - H10

Polyester Film

TECHNICAL DATA

Product Description

Lumirror™ standard grades are widely used as industrial materials for their excellent mechanical strengths, electrical properties, and chemical resistance.

Grades

- Standard Grades

Features

- Chemical Characteristics -- Chemical resistance
- Electrical Characteristics -- Electrical insulation
- Surface Characteristics -- Hazy

By Process / Use

- Manufacturing process -- Mold release
- Manufacturing process -- Paper used in the manufacturing process
- Other uses -- Electric insulation
- Other uses -- Electric insulation substrate

Properties

Films	Nominal Value	Unit	Test Method
Thickness (MMV)	480	μm	JIS C2151
Elastic Modulus			ASTM D882
MD	3.9	GPa	
TD	4.2	GPa	
Tensile Strength			JIS C2151
MD : Break	133	MPa	
TD : Break	139	MPa	
Tensile Elongation			JIS C2151
MD : Break	254	%	
TD : Break	234	%	
F-5 Strength			ASTM D882
MD	100	MPa	
TD	101	MPa	
Tear Resistance, End			JIS C2151
MD	2680	N/20 mm	
TD	2510	N/20 mm	
Thermal Shrinkage			JIS C2151
MD : 150°Cx30 min	0.8	%	
TD : 150°Cx30 min	0.4	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (20°C)	2.8E+17	ohms·cm	JIS C2151
Dissipation Factor ¹ (20°C, 1 kHz)	0.41		JIS C2151
Breakdown Voltage - AC	37.0	kV	JIS C2151
Optical	Nominal Value	Unit	Test Method
Light Transmittance	81	%	JIS K7105
Haze	86	%	JIS K7105

Notes

¹ dielectric loss tangent

Disclaimer

Please be noted that the values shown above are typical data for this product under specific test conditions and not intended for use as limiting specifications.