

H10

■ Features:

H10 is a hazy type of film, with excellent handling properties and electrical characteristics.

■ Thickness:

50, 75, 100, 125, 188, 210, 250, 300, 350, 500 μm

■ Typical properties:

Properties		Unit	#50 (200G)	#75 (300G)	#100 (400G)	#125 (500G)	#188 (750G)	#210 (840G)	#250 (10M)	#300 (12M)	#350 (14M)	#500 (20M)	Measurement method
Thickness	MMV	μm	50	75	100	125	188	210	250	300	350	480	
Tensile strength	MD	MPa	249	244	240	236	188	190	189	177	175	133	ASTM D882
	TD	MPa	249	243	230	226	194	194	189	178	173	139	ASTM D882
Elongation at Break	MD	%	152	158	153	159	179	176	190	197	198	244	ASTM D882
	TD	%	152	155	154	154	143	142	156	163	167	212	ASTM D882
Thermal Shrinkage at 150°C×30min	MD	%	1.7	1.3	1.3	1.1	1	1	1.1	0.9	0.9	0.9	ASTM D1204
	TD	%	0.8	0.6	0.6	0.4	0.6	0.7	0.6	0.6	0.5	0.4	ASTM D1204
Breakdown Voltage		kV	11.5	14.3	16.6	18.7	23.5	25.1	28	30	31.3	39.6	ASTM D149
Volume Resistivity (20°C)		$\Omega\cdot\text{cm}$	5×10^{17}	5×10^{17}	5×10^{17}	5×10^{17}	5×10^{17}	4×10^{17}	4×10^{17}	3×10^{17}	3×10^{17}	3×10^{17}	ASTM D149
Dissipation Factor at (20°C, 1kHz)		%	0.43	0.43	0.43	0.43	0.45	0.45	0.43	0.43	0.41	0.4	JIS C2151

■ Applications:

Electrical insulation (for motors and transformers)

■ Standards:

- UL746B: RTI 105(°C) Mechanical 105(°C)
- UL94VTM-2(#38~#188)

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