

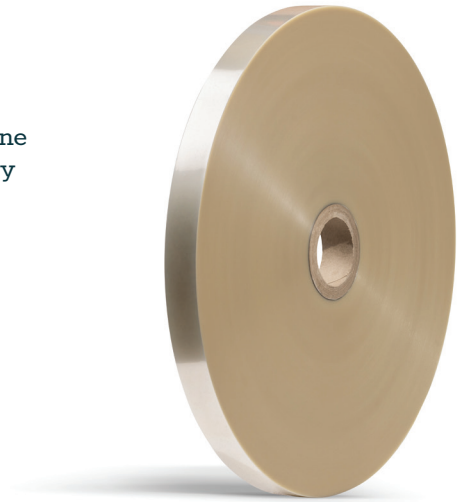
POLYESTER FILM

(One side corona treated)

Our Polyester Film is a biaxially oriented hazy polyester film with one side corona treatment & other side plain. The film is characterized by high dielectric constant, high break down voltage, good Mechanical & thermal stability. This film complies with US FDA, EC directive & REACH regulation for food packaging.

Main Features: High dielectric constant & high break down voltage
Excellent thermo mechanical properties

Application: Cable wrapping
Electrical Insulation in transformer & motors



Properties		Unit	Test Method	Typical Values				
General Properties								
Thickness		Micron	SPTM	19	23	36	50	75
Yield		m ² /kg	SPTM	38	31	20	14	9.5
Mechanical Properties								
Tensile Strength (Min)	MD	Kg/cm ² 2000	ASTM D 882	2100	2100	190	1900	180
	TD			2000	2000	190	1900	180
Elongation et Break (Min)	MD	%	ASTM D 882	90	110	110	110	120
	TD			90	100	100	100	110
Surface properties								
Coefficient of Friction (Max)	St.	-	ASTM D 1894	0.50	0.50	0.50	0.5	0.4
	Dy			0.45	0.45	0.45	0.4	0.4
Wetting Tension on treated side		Dynes/cm	ASTM D	52+	52+	52+	52+	52+
Optical Properties								
Haze (Max)		%	ASTM D 1003	4.5	5.0	6.0	7.0	8.0
Transmittance (Min)		%	ASTM D 1003	88	88	88	88	88
Thermal Properties								
Heat Shrinkage @150°C/30 minute (Max)	MD	%	ASTM D 1204	2.4	2.4	2.4	2.4	2.4
	TD			0.4	0.4	0.4	0.4	0.4
Electrical Properties								
Break Down Voltage		K.V.	ASTM D 149	5.0	6.0	7.0	9.0	12.0
Barrier Properties								
WVTR (38°C & 90%RH)		gm/ m ² / day	ASTM F 1249	<30	<25	<22	<18	<15
OTR (23°C & 0% RH)		cc/ m ² / day	ASTM D3985	<95	<75	<55	<45	<35

MD: Machine direction TD: Transverse direction SPTM: Sumilon Polyester Test Method