POLYESTER film (bi-oriented) PET. Thickness 75—350 µ

POLYESTER FILM is a flexible, strong and durable film with an unusual balance of properties making it suitable for many industrial applications. Polyester film is a tough general purpose film which is translucent in 75 µm thickness or above. Polyester film is primarily used for release applications, office supplies electrical insulation and industrial laminations with other flexible materials. Polyester film is also available in 12 through 50 µm thickness range. Polyester film has a tensile strength that averages **210 MPa**, has excellent resistance to moisture and most chemicals and can withstand temperature extremes from **- 70° to + 150°C**. Because it contains no plasticizers, Polyester film does not become brittle with age under normal conditions.

Typical values for major properties are as follows:

Property	Method		75 µ	100 µ	125 µ	190 µ	250 µ	350µ
Tensile Strength (MPa)	ASTM D 882-80	M	190	190	190	190	190	190
		T	230	230	220	210	200	195
Modulus (MPa)	ASTM D 882-80	M	3550	3450	3300	3300	3100	2950
		T	4000	3900	3700	3600	3500	3200
Elongation (%)	ASTM D 882-80	M	140	150	150	190	210	240
		T	100	100	110	140	170	200
Shrinkage 105°C for 30 min. (%)	ASTM D 1204-78	M	0.5	0.5	0.5	0.5	0.5	0.5
		T	0.5	0.5	0.5	0.5	0.5	0.5
Shrinkage 150°C for 30 min. (%)	ASTM D 1204-78	M	1.3	1.3	1.3	1.3	1.3	1.3
		T	1.3	1.3	1.3	1.3	1.3	1.3
Shrinkage 200°C for 30 min. (%)	ASTM D 1204-78	M	3.5	3.5	3.5	3.5	3.5	3.5
		T	3.3	3.3	3.3	3.3	3.3	3.3
Haze (%)	ASTM D 1003-52 Gardner Hazemeter		36	39	43	82	90	96
Dielectric Strength (minimum) (kV)	ASTM D 149		10	11.75	13.5	17.5	19	20
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