

TOYOBO ESTER Film is the biaxial stretched film which main material is polyethylene terephthalate (PET). Thanks to its features such as superior heat resistance, machinery aptitude, dimensional stability, electric insulation, transparency, and aroma retaining property, it is used in many fields including food packaging as a general purpose plastic film.

FUTURE

E5100 is the general purpose grade which is made by utilizing the features of PET film.

USE

General packaging, Industrial materials etc.

General physical property of the TOYOBO ESTER Film E5100 type

Item		Unit	E5100			Measuring method
Thickness		μm	12	16	25	JIS K7112
Haze		%	2.3	2.5	3.0	JIS K7105
Tensile breaking strength	Length	Mpa	230	230	230	JIS K7127
	Width		240	240	240	
Tensile breaking elongation	Length	%	100	100	100	JIS K7127
	Width		90	90	90	
Tensile elasticity	Length	Mpa	3920	3920	3920	JIS K7127
	Width		4020	4020	4020	
Tensile propagation resistance	Length	mN	90	110	-	JIS K7128
	Width		90	110	-	
Impact strength	23°C	J	0.4	0.5	0.7	Toyobo method
Static friction coefficient	B/B	-	0.45	0.45	0.42	JIS K7125
Dynamic friction coefficient	B/B		0.40	0.40	0.40	
Heat shrinkage rate (150 degrees C, 30mins)	Length	%	1.4	1.2	1.1	JIS C2318
	Width		0.2	0.2	0	
Moisture vapor permeability		g/m2d	46	38	23	JIS K7129
Oxygen transmissivity		mL/m2dMPa	1200	890	620	JIS K7126

On these data, the representative values were measured under the specialized condition at our company's film feature evaluation agency.
Involute surface: corona processed surface .

<E510021>

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