

TF110 (Hand cutting polyester film)

The conventional polyester film has no hand cutting property like paper or cellophane, so there was the problem to be hard to open. However, this time, we have developed the polyester film which has the hand cutting property to the optional direction without the notch.

FUTURE

- (1) You can cut to the optional direction by your hand without the notch.
(The hand cutting property is more improved by pasting aluminum foil and paper together.)
- (2) You can use the same ink and adhesive as the polyester film (PET)
- (3) The influence of the wrinkles and the slacks by the moisture absorption etc. is little, and you can use it stably throughout the year. (Processing loss decrease)

USE

- (1) Laminating use on aluminum foil and paper structure
(Substitution for the lamination structures of cellophane/Aluminum/PE)
- (2) Use for medicine bags, powdered soup, juice, and tea small bags (stick packaging) etc.
- (3) Use for the lids etc. to which bending property and piercing property are required
- (4) Use for tapes etc.

General physical property of film

Item		Unit	TF110	general PET	cellophane	Measuring method	
Thickness		μm	14	12	21(#300)		
Haze		%	3.5	2.3	1.9	JIS K 7105	
Tensile breaking strength	Length	Mpa	70	230	100	JIS K 7127	
	Width		70	240	60		
Tensile breaking elongation	Length	%	100	100	20	JIS K 7127	
	Width		75	90	40		
Heat shrinkage rate (150 degrees C, 30mins)	Length	%	2.0	1.4	3.0	JIS K 2318	
	Width		2.0	0.2	5.0		
Dynamic friction coefficient		F/B	0.35	0.40	-	JIS K 7125	
Impact strength		23°C	J	0.2	0.4	0.4	Toyobo method
End tearing resistance	Length	N	45	120	50	JIS K 2318	
	Width		45	96	47		
Moisture vapor permeability		g/m ² ·d	70	46	100 - 300*	JIS K 7129	

<Caution for process>

Since the TF110 has the feature hand cutting property, it is necessary to set the tensile force of the process properly for printing and laminating process.

TOYOBO CO., LTD. Packaging Film
<http://www.toyobo.co.jp/seihin/film/>

2-8, Dojima hama 2-chome, Kita-ku, Osaka
 530-8230, JAPAN

[TEL]+81-6-6348-4156 [FAX]+91-6-6348-4159