

CT-MPE-12-1

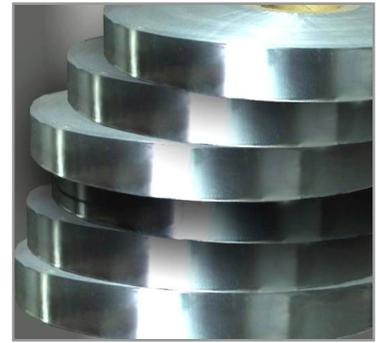
METALLIZED BIAXIALLY ORIENTED POLYESTER FILM

FEATURES:

- ◆ Strong and flexible
- ◆ Heat reflective, light and UV protective
- ◆ Moisture resistant
- ◆ High surface tension, excellent for lamination

TYPICAL APPLICATION:

- ◆ Custom slit product: Flexible duct production for permanent and temporary ventilation and air conditioning.



PROPERTIES	Value (Metric)	Value (English)	Test method
Construction	Metallized BOPET film	Metallized BOPET film	
Nominal thickness (+/-3%)	12 micron	48 gauge	ASTM-D374
Tensile strength MD	≥ 210 Mpa	30.5*10 ³ lbs/inch ²	GB13022-91
Tensile strength TD	≥ 210 Mpa	30.5*10 ³ lbs/inch ²	GB13022-91
Elongation at break MD	≤ 120 %	≤ 120 %	GB13022-91
Elongation at break TD	≤ 120 %	≤ 120 %	GB13022-91
Coefficient of friction	0.5	0.5	GB/T 10006-88
Surface tension (metallized side)	≥ 42 dyne/cm	≥ 0.0038 oz/inch	GB/T 14216
Water Vapor transmission rate (MWTR)	< 1.5 g/m ² /day	< 0.05 oz/yard ² /day	ASTM-F1249
Heat shrinkage MD	≤ 2.5%	≤ 2.5%	GB 12027
Heat shrinkage TD	≤ 1%	≤ 1%	GB 12027
Optical density	2.3	2.3	
Thickness of metallized layer	2 Ω/□	2 Ω/□	
Spray spot	≤ 2 spot/m ²	≤ 2 spot/yard ²	
Roll width (by customer's specification)	40-100mm	1.57"- 4"	
Roll length (standard, customized length is available)	12000 m	13126 yards	
Inner core	76mm	3"	

Remarks:

1. The data above are typical and represent the best information available to us. They should not, however, be construed as controlling and are presented without any guarantee either expressed or implied.
2. We suggest purchasers to determine final suitability for their specific end uses. The user should make tests and do trial-application of the products before application to ensure suitability for the user's special purpose and technique.
3. No statement with respect to use is intended as a positive recommendation for such use.
4. The product should be stored at room temperature and kept away from sources of heat, moisture, chemicals and out of direct sunlight.
Storage: 20 +/-5 °C (59-77°F) and relative humidity and 50 +/-10%.



CT PLAST

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