



METALLIZED BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPT01-HM25 Plasma Metallized on plain side & other side corona treated. This film is available with metal wound inside or Metal wound outside.

FEATURES

- ▶ Good Metal Adhesion
- ▶ Excellent mechanical and dimensional stability
- ▶ Excellent moisture and Oxygen barrier
- ▶ Excellent Machinability and dimensional stability over a wide range of temperature

APPLICATION

- ▶ Flexible packaging for high barrier application

PROPERTIES		UNIT	TEST METHOD	CP08T01 -HM25	CP10T01 -HM25	CP12T01 -HM25	CP19T01 -HM25
Nominal Thickness		Micron	Internal Method	8	10	12	19
		Gauge		32	40	48	76
Yield		m²/kg		89.2	71.4	59.6	37.6
Optical Density		-	Tobias Instrument	2.5+/-5%	2.5+/-5%	2.5+/-5%	2.5+/-5%
Metal Bond Strength		gm/25mm	Internal Method	180	180	180	180
MECHANICAL PROPERTIES (Min)							
Tensile Strength	MD	Kg/cm²	ASTM D-882	2200	2200	2200	2200
	TD			2100	2100	2100	2100
Elongation Break	MD	%	ASTM D-882	100	100	100	110
	TD			90	90	90	100
THERMAL PROPERTIES (Max)							
Thermal Shrinkage (at 150°C /30 mins)	MD	%	ASTM D-1204	2.4	2.4	2.4	2.4
	TD			0.4	0.4	0.4	0.4
SURFACE PROPERTIES (Max)							
COF (Metal to Film)	Static	-	ASTM D-1894	0.75	0.75	0.75	0.75
	Dynamic			0.65	0.65	0.65	0.65
SURFACE TENSION							
Corona Treated Side		Dyne/cm	ASTM D-2578	56	56	56	56
BARRIER PROPERTIES							
WVTR, 37.7°C, 90% RH		gm/m² /day	ASTM F-1249	0.6	0.6	0.6	0.6
O2 Permeability 23°C, 0%RH		cm³/m² /day	ASTM D-3985-95	0.8	0.8	0.8	0.8

Note : MD – Machine Direction, TD – Transverse Direction, COF - Co-efficient of Friction

FOOD CONTACT : Chiripal Poly Films complies with EC and FDA regulations. Specific documents and MSDS are available upon request

STORAGE & HANDLING : A storage temperature below 30°C & humidity 55±5 % is recommended in order to avoid any deterioration of the film surface properties. Excess humidity and heat can cause problem such as fast treatment decay, which can affect the quality of printing and coating. It is advisable to use the material on FIFO basis.

DISCLAIMER: The property given in the technical data sheet do not constitute product specification but represent typical performance values based on the best of our knowledge and believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability / compatibility in all respects. Chiripal Polyfilm does not guarantee the typical values. Chiripal Poly reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.