



YARN GRADE BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPY10 is Biaxially Oriented Transparent Polyester film with Inside Corona treated and outside plain. This is also available with Inside Plain and outside Corona treated. This film is suitable for Yarn grade.

FEATURES

- Good clarity and transparency.
- Good adhesion to inks & lacquers.
- Excellent mechanical & thermal properties.

APPLICATION

- Yarn used in textile
- Industrial application

PROPERTIES		UNIT	TEST METHOD	CP12.6Y10	CP15Y10	CP23Y10
Nominal Thickness		Micron	Internal Method	12.6	15	23
		Gauge		49.6	60	92
Yield		m²/kg		57.6	47.6	31.1
MECHANICAL PROPERTIES						
Tensile Strength	MD	kg/cm²	ASTM	2300	2300	2200
	TD		D-882	2200	2200	2100
Elongation Break	MD	%	ASTM	110	110	110
	TD		D-882	100	100	100
THERMAL PROPERTIES						
Thermal Shrinkage (at 190°C /20 mins)	MD	%	ASTM D-1204	3.2	3.2	3.2
	TD			-0.4	-0.4	-0.4
SURFACE PROPERTIES (Max)						
COF (Film to Film)	Static	-	ASTM	0.48	0.48	0.48
	Dynamic		D-1894	0.42	0.42	0.42
SURFACE TENSION						
Plain Side		Dyne/cm	ASTM	44	44	44
Corona Treated Side			D-2578	56	56	56
OPTICAL PROPERTIES						
Haze (Max)		%	ASTM D-1003	3.0	3.5	4.0
Light Transmission			ASTM D-1003	88	88	88
BARRIER PROPERTIES						
WVTR, 37.7°C, 90% RH		gm/m² /day	ASTM F-1249	40	40	40
O2 Permeability 23°C, 0%RH		cm³/m² /day	ASTM D-3985-95	130	130	130

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

DISCLAIMER: The property given in the present technical data sheet does not constitute product specification but represents typical performance values based on the best of our knowledge and believed to be accurate. These are given in good faith, and the Customer is requested to satisfy its suitability for its particular purpose. The user is solely responsible for the end-use of the product and needs to perform tests to confirm the product suitability/compatibility in all respects. Chiripal Poly Films does not guarantee typical values and reserves the right to change the technical datasheet anytime required to enhance the quality of the products without prior information.