



CHEMICAL COATED BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPT91 is Biaxially Oriented Polyester Transparent high slip film with Inside chemical coated and Outside Corona treated. Chemical coated side is suitable for Printing This is also available as Inside Corona treatment and Outside chemical coated

FEATURES

- ▶ Excellent stiffness & mechanical properties.
- ▶ Chemical coating side enhances the ink adhesion in printing, and resulting a good laminate bond strength
- ▶ Excellent transparency and surface properties.
- ▶ Suitable for UV and solvent based ink system.
- ▶ Excellent machine ability & dimensional stability over a wide range of temperature.

APPLICATION

- ▶ Used for packaging food and non-food like tea, coffee, shampoo, pesticides liquid detergent etc.
- ▶ Used for carton laminates and liquid packaging

PROPERTIES		UNIT	TEST METHOD	CP08T91	CP10T91	CP12T91	CP23T91
Nominal Thickness		Micron	Internal Method	8	10	12	23
		Gauge		32	40	48	92
Yield		m²/kg		89.2	71.4	59.6	31.1
MECHANICAL PROPERTIES (Min)							
Tensile Strength	MD	kg/cm²	ASTM	2200	2200	2200	2100
	TD		D-882	2100	2100	2100	2000
Elongation Break	MD	%	ASTM	100	100	100	110
	TD		D-882	90	90	90	100
THERMAL PROPERTIES (Max)							
Thermal Shrinkage (at 150°C /30mins)	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 (Coated to Corona)	Static	-	ASTM	0.46	0.46	0.46	0.46
	Dynamic		D-1894	0.36	0.36	0.36	0.36
COF (Coated to Coated)	Static	-	ASTM	0.32	0.32	0.32	0.32
	Dynamic		D-1894	0.28	0.28	0.28	0.28
SURFACE TENSION							
Coated Side		Dyne/cm	ASTM D-2578	42	42	42	42
Corona Treated Side				54	54	54	54
OPTICAL PROPERTIES							
Haze (Max)		%	ASTM	3.0	3.0	3.0	4.0
Light Transmission			D-1003	88	88	88	88
BARRIER PROPERTIES							
WVTR, 37.7°C, 90% RH		gm/m² /day	ASTM F-1249	40	40	40	40
O2 Permeability 23°C, 0%RH		cm³/m² /day	ASTM D-3985-95	130	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.