



CL-T31-SM-MET-CRNO1-BOPET

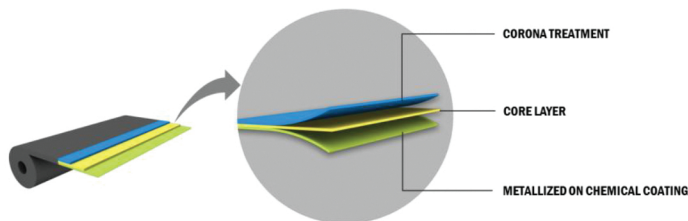
CPT31-SM

METALLIZED
BOPET FILM

PRODUCT DESCRIPTION

PHC Poly Films CPT31-SM is Metallized on chemical coated side & other side corona treated.

This film is available with metal wound inside or Metal wound outside



PRODUCT FEATURES

- Excellent metal adhesion which gives good laminate bond strength
- Excellent mechanical and dimensional stability
- Good moisture and Oxygen barrier
- Excellent Machinability and dimensional stability over a wide range of temperature

APPLICATIONS

* Dry food like Milk powder or various confectionary packaging

PROPERTIES		UNIT	TEST METHOD	CP08T31-SM	CP10T31-SM	CP12T31-SM
NOMINAL THICKNESS		Mil	Chiripal Method	0.32	0.4	0.48
		Gauge		32	40	48
YIELD		in2/lb	Chiripal Method	62713.81	50199.17	41902.95
OPTICAL DENSITY		-	Tobias Instrument	2.2+/-5%	2.2+/-5%	2.2+/-5%
METAL BOND STRENGTH		gm/inch	Chiripal Method	500	500	500
MECHANICAL PROPERTIES(MIN)						
TENSILE STRENGTH	MD	lb/in2	ASTM D-882	31291	31291	31291
	TD			29868	29868	29868
ELONGATION BREAK	MD	%	ASTM D-882	100	100	100
	TD			90	90	90
THERMAL PROPERTIES (MAX)						
THERMAL SHRINKAGE (at 302°F / 30 mins)	MD	%	ASTM D-1204	2.4	2.4	2.4
	TD			0.4	0.4	0.4
SURFACE PROPERTIES (MAX)						
COFFECIENT OF FRICTION (Metal to Film)	STATIC	-	ASTM D-1894	0.75	0.75	0.75
	DYNAMIC			0.65	0.65	0.65
SURFACE TENSION						
CORONA TREATED SIDE		N/mm	ASTM D-2578	56	56	56
METAL SIDE		N/mm	ASTM D-2578	>54	>54	>54
BARRIER PROPERTIES						
WVTR, 99.86°F, 90% RH		gm/100in²/day	ASTM F 1249	0.05	0.05	0.05
O2 PERMEABILITY 73.4°F, 0% RH		cc/100in²day	ASTM D 3985-95	0.06	0.06	0.06

Note: MD – Machine Direction, TD – Transverse Direction

FOOD CONTACT

Pilcher 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 problems 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. **PHC** Polyfilm does not guarantee the typical values. **PHC** Poly reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.