



PROVISIONAL TDS

PRODUCT DESCRIPTION	PROPERTIES		UNIT	TEST METHOD	CB18HI-XBC	CB20HI-XBC	CB25HI-XBC	CB30HI-XBC	CB40HI-XBC	CB50HI-XBC
Chiripal Poly Films XBC is bio degradable both side heat sealable bopp film, corona treated on one side, low temperature heat sealable & low cof on other side.	Nominal Thickness (± 5%)		Micron	Internal	18	20	25	30	40	50
			Gauge		72	80	100	120	160	200
	Yield		M2/kg		61.05	54.9	44.0	36.6	27.5	22.0
	MECHANICAL PROPERTIES									
	Tensile Strength	MD	kg/cm²	ASTM D-882	1200 - 1500					
		TD			2800 - 3100					
	Elongation Break	MD	%	ASTM D-882	150 - 250					
TD		40 - 80								
PRODUCT FEATURES	THERMAL PROPERTIES									
* Excellent sealing properties & hot tack	Thermal Shrinkage (at 120°C / 5 mins)		MD	%	ASTM D-1204	<5.0				
* Excellent antistatic and slip properties			TD			<3.0				
* Excellent optical properties	Heat Seal Range (NT side)		°C	Internal		105 - 140				
* Excellent surface treatment retention	Sealing Strength (NT side) (120°C/2 Bar/1 sec) Min.		gm/25mm	Internal		400				
* Very good barrier properties	SURFACE PROPERTIES									
	Coefficient of Friction (NT/NT)		Dy	-	ASTM D-1894	0.25 - 0.35				
	Surface Tension		Dyne/cm		ASTM D-2578	38 min				
APPLICATIONS	OPTICAL PROPERTIES									
* Printing & lamination	Haze (max)		%	ASTM D-1003		3.0				
* High speed packaging	Gloss at 45°		%	ASTM D-2457		85 - 90				
* Wrapping industry	Note: MD – Machine Direction, TD – Transverse Direction, NT - Non Treated									
* Snacks & chocolate packaging										
Product complies with below mentioned ASTM Standards	FOOD CONTACT									
1. ASTM D5338-98/ISO 14852 aerobic biodegradation under controlled composting	Chiripal Poly Films complies with EC and FDA regulations. Specific documents and MSDS are available upon request									
2. ASTM 5209-92/ aerobic biodegradation, in presence of municipal sewage sludge.										
3. ASTM D5511/ISO DS15985 anaerobic biodegradation under all climate condition.	STORE & HANDLING									
4. Toxicity test (OECD guideline 207) for food carrying & packaging.	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.									
* Degradation period 36 - 48 months	DISCLAIMER									
* Available in inside / outside corona treated as per customer requirement	The property given in the technical data sheet do not constitute product specification but represent typical performance values based on the best of our knowledgeand 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 doesnot 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.									
# Actual rate of Biodegradation will vary dependent upon environmental conditions and the biological activity of microorganism surrounding the laminates/films.										