

PROVISIONAL

TDSTIPE

BOPE FILMS

TRANSPARENT LOW SIT HIGH HSS BIAXIALLY ORIENTED POLYETHYLENE FILM
WITH ONE SIDE CORONA TREATMENT



DESCRIPTION

TDSTIPE is transparent biaxially oriented PE film. It is one side corona treated for printing and other side Low Seal Initiation temperature with broad heat seal range and very high seal strength surface; Especially designed with excellent clarity, gloss and controlled thickness for demanding high speed packaging applications.

PRODUCT FEATURES

- Wide sealing range with low seal initiation temperature (SIT ~ 216°F)
- Easy Tear
- Outstanding seal performance in term of strength, hot-tack and integrity
- Good Puncture Resistance
- Excellent thickness spread, clarity and gloss mainly for Window application
- Superior Barrier Vis a Vis to traditional Blown PE
- Good Surface tension exhibits excellent Surface Printing

APPLICATIONS

Can be used as sealant web of laminated structure as a replacement of CPP and Blown PE films;

- Bakery (Biscuits/cookie/crackers)
- Household and detergents
- Potato chips/snacks/crisp
- Frozen food

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	PROPERTIES	POSITION	TDS20TIPE	TDS25TIPE	UNIT	METHOD
GENERAL	Nominal Thickness	-	0.78	0.98	mil	Internal Method
	Density	-	0.95	0.95	g/cc	Internal Method
	Grammage	-	3.90	4.87	lb/1000ft ²	Internal Method
	Yield	-	36981	29599	in ² /lb	Internal Method
OPTICAL	Haze	-	4.0		%	ASTM D 1003
	Gloss	-	90		GU	ASTM D 2457
SURFACE	Surface tension	-	38		dyne/cm	ASTM D 2578
	Dynamic COF	Film/Film	0.35		-	ASTM D 1894
MECHANICAL	Tensile Strength (at break)	- MD - TD	6399 12798		psi	ASTM D 882
	Elongation (at break)	- MD - TD	300 100		%	ASTM D 882
	Elastic Modulus	- MD - TD	56880 142200		psi	ASTM D 882
	Linear Shrinkage	- MD - TD	4.5 2.0		%	ASTM D 1204
THERMAL	Heat Seal Strength	Laminate (BOPP+BOPE)	3000		g/in	Internal Method (266°F/1sec/30psi)
	Heat Seal Strength	Laminate (BOPP+BOPE)	5000		g/in	Internal Method (284°F/1sec/30psi)
	Heat Seal Range	-	216-293		°F	Internal Method
BARRIER	WVTR 100°F, 90% RH	-	1.81	1.61	g/100in ² /day	ASTM F 1249

The figures and above properties refer to typical values which are indicative only. Customers should verify the suitability of the film for its specific end use. Therefore this document will not represent a product specification.

GUIDELINES FOR STORAGE

Temperature should preferably be less than 30°C & humidity 55±5% in storage areas and material should be consumed within three months of receipt. OPE films should be allowed to reach operating room temperature 24 hours before use.

FOOD CONTACT

OPE films complies with the requirements of FDA, EC & REACH regulations. Specific documentation is available on request.

SAFETY

Compliance with industrial health and safety standards. OPE films do not present any significant danger to health and safety in the workplace, provided they are used for the intended purpose in accordance with conventional practices and that health & safety regulations are observed. Relevant guidelines can be found in our MSDS (available upon request).

CAUTIONS

- Film characteristics are maintained for six months from the date of invoicing