

PROVISIONAL

TDQ25TIPE

BOPE FILMS

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



AVAILABLE
CALIPERS

DESCRIPTION

TDQ25TIPE is transparent bi-axially oriented PE film. It is one side corona treated for printing and other side very low initiation temperature with broad heat seal range & high seal strength surface; especially designed with excellent clarity, gloss and controlled thickness for demanding high speed packaging applications.

PRODUCT FEATURES

- Easy tear
- Wide sealing range with low seal initiation temperature (SIT ~ 85°C)
- Good puncture resistance
- Good Mechanical properties
- Excellent seal performance in term of seal strength
- Good Optical properties
- Excellent thickness spread, clarity and gloss

APPLICATIONS

Can be used as top reverse Printed layer of laminates;

- Bakery (Biscuits/ Cookie/ Crackers)
- Potato chips/ Snacks/ Crisp
- Frozen food
- Household & Detergents

NOMENCLATURE

TDQ25TIPE – Corona treated side is Inside & Untreated heat seal surface is Outside

TDQ25TOPE – Corona treated side is Outside & Untreated heat seal surface is Inside

TOPPAN SPECIALITY FILMS

	PROPERTIES	POSITION	TDQ25TPE	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	25	μ	Internal Method
	Density	-	0.96	g/cc	Internal Method
	GSM	-	24.0	g/m ²	Internal Method
	Yield	-	41.7	m ² /kg	Internal Method
OPTICAL	Haze	-	7.5	%	ASTM D 1003
	Gloss	-	80	GU	ASTM D 2457
SURFACE	Wetting Tension	-	38	dy/cm	ASTM D 2578
	COF	Film/Film	0.35	-	ASTM D 1894
MECHANICAL	Tensile Strength (at break)	-MD -TD	600 1200	kg/cm ²	ASTM D 882
	Elongation (at break)	-MD -TD	200 70	%	ASTM D 882
	Elastic Modulus	-MD -TD	4500 9000	kg/cm ²	ASTM D 882
	Linear Shrinkage (max)	-MD -TD	5.0 3.0	%	Internal Method (100°C, 5min)
THERMAL	Seal Initiation Temp.	-	85	°C	Internal Method
	Heat Seal Strength	-	1600	g/25mm	Internal Method (130°C, 1sec, 30psi)

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. Film characteristics are maintained for six months from the date of manufacturing.

FOOD CONTACT

OPE films comply 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.