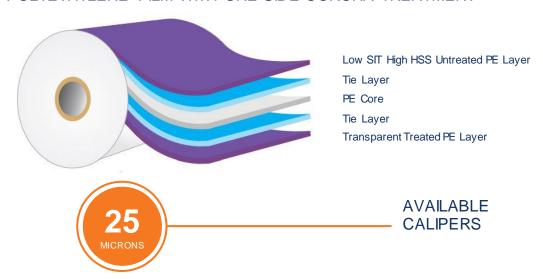
# **TDQ25TIPE**

**BOPE FILMS** 

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



## **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** 

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	PROPERTIES	POSITION	TDQ25TIPE	UNITS	TEST METHOD
GENERAL	Nominal Thickness Density GSM Yield	- - -	25 0.96 24.0 41.7	μ g/cc g/m² m²/kg	Internal Method Internal Method Internal Method Internal Method
OPTICAL	Haze Gloss	-	7.5 80	% GU	ASTM D 1003 ASTM D 2457
SURFACE	Wetting Tension COF	- Film/Film	38 0.35	dy/cm -	ASTM D 2578 ASTM D 1894
MECHANICAL	Tensile Strength (at break)	-MD -TD	600 1200	kg/cm²	ASTM D 882
	Elongation (at break)	-MD -TD	200 70	%	ASTM D 882
	Elastic Modulus	-MD -TD	4500 9000	kg/cm <sup>2</sup>	ASTM D 882
THERMAL	Linear Shrinkage (max)	-MD -TD	5.0 3.0	%	Internal Method (100°C, 5min)
	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 with 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 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.