

**TQ**

BOPP FILMS

TRANSPARENT COEXTRUDED CORONA TREATED BOTH SIDE FOR  
HOT TWIST PACKAGING CONVERSION



Corona Treated Heat Seal Surface

OPP Core

Corona Treated Special Surface For Hot Twist Retention

**18, 20**  
MICRONS

AVAILABLE  
CALIPERS

**DESCRIPTION**

OPP TQ is transparent both side heatsealable **BOPP** film with corona treated both side. Low corona treated heat-seal surface provides twist retention upon heating.

**PRODUCT FEATURES**

- Good performance on HFFS & VFFS machines
- Good printability and suitable for lamination with other substrates
- Good optical properties
- Good stiffness and mechanical properties
- Good hot twist retention property

**APPLICATIONS**

Can be used as a single web or in laminate structures.

- Confectionery (Lollypop & candies hot twist wrap)

**NOMENCLATURE**

TQTTI - High Corona treated surface inside

TQTTO - High Corona treated surface outside

	PROPERTIES	POSITION	TQ18TTO	TQ20TTO	UNIT	METHOD
GENERAL	Nominal Thickness	-	18	20	μ	Internal Method
	Density	-	0.91	0.91	g/cc	Internal Method
	Grammage	-	16.38	18.2	g/m <sup>2</sup>	Internal Method
	Yield	-	61.05	54.9	m <sup>2</sup> /kg	Internal Method
OPTICAL	Haze	-	2.0	2.5	%	ASTM D 1003
	Gloss	-	85		GU	ASTM D 2457
SURFACE	COF (Dynamic)	Film/Film	0.40		-	ASTM D 1894
	Wetting Tension	-	38		dy/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD	1200		kg/cm <sup>2</sup>	ASTM D 882
		- TD	2400			
	Elongation (at break)	- MD	180		%	ASTM D 882
		- TD	60			
	Elastic Modulus	- MD	16000		kg/cm <sup>2</sup>	ASTM D 882
		- TD	28000			
THERMAL	Linear Shrinkage (max)	- MD	4		%	ASTM D 1204
		- TD	2			
	Heat Seal Range	-	115-145		°C	Internal Method
	Seal Strength	-	400		g/25mm	Internal Method (130°C/1sec/30psi)

\*38 dyne/cm guaranteed for 6 months from the invoice date in controlled ambient condition as mentioned in storage guidelines.

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. OPP films should be allowed to reach operating room temperature 24 hours before use.

#### FOOD CONTACT

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

#### SAFETY

Compliance with industrial health and safety standards. OPP 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
- Please make sure printing surface is well dried before lamination