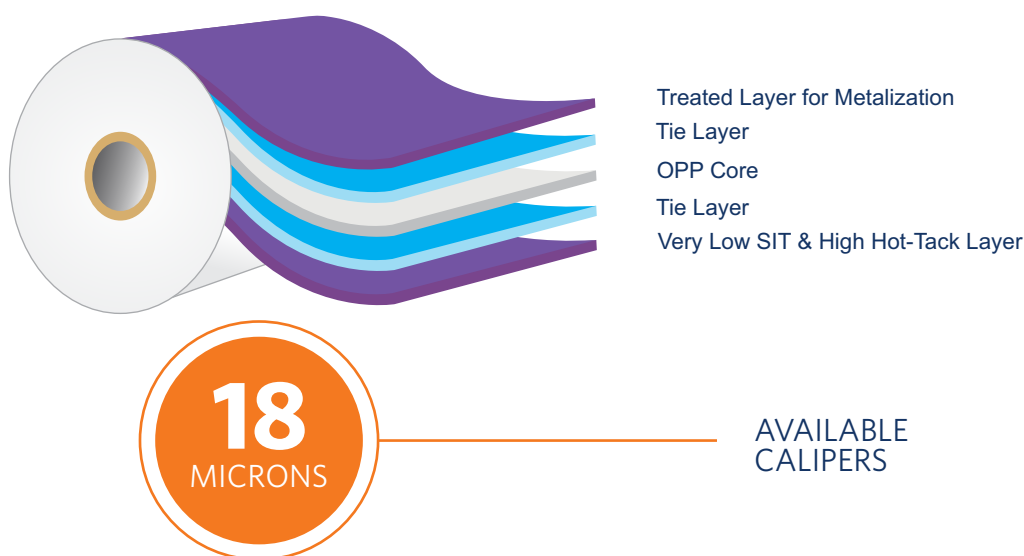


TDQ18TOV

BOPP FILMS

TRANSPARENT HEAT SEALABLE VERY LOW SIT HIGH HSS & HIGH HTS BOPP
BASE FILM FOR VACUUM METALIZATION



DESCRIPTION

OPP TDQ18TOV is a Transparent BOPP base film for metallisation. It has very low seal initiation temperature, High Hot-Tack and broad seal range, Especially designed for high speed packaging where its wide seal operating window can be used on high speed machines.

PRODUCT FEATURES

- Wide sealing range with very low Seal initiation temperature(SIT ~ 85°C)
- Excellent sealing properties in term of Strength, Hot-Tack and Integrity
- Good treatment retention
- Excellent runnability on HFFS & VFFS machines
- Good stiffness and mechanical properties

APPLICATIONS

Base film for vacuum metalization

NOMENCLATURE

TDQ18TOV - Outside for vacuum metalization and other side for sealing application

TDQ18TIV - Inside for vacuum metalization and other side for sealing application

	PROPERTIES	POSITION	TDQ18TOV	UNIT	METHOD
GENERAL	Nominal Thickness	-	18	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	16.38	g/m ²	Internal Method
	Yield	-	61.1	m ² /kg	Internal Method
OPTICAL	Haze	-	3.0	%	ASTM D 1003
	Gloss	-	90	GU	ASTM D 2457
SURFACE	Wetting Tension	-	38	dyne/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD - TD	1200 2700	kg/cm ²	ASTM D 882
	Elongation (at break)	- MD - TD	200 70	%	ASTM D 882
	Elastic Modulus	- MD - TD	18000 28000	kg/cm ²	ASTM D 882
	Linear Shrinkage (max)	- MD - TD	4 2	%	ASTM D 1204
THERMAL	Seal Initiation temperature	-	85	°C	Internal Method
	Heat Seal Range	-	85-145	°C	Internal Method
	Seal Strength	-	500	g/25mm	Internal Method (130°C/1sec/30psi)
	Hot Tack Strength	-	250	g/25mm	Internal Method (120°C/0.5sec/30psi)
BARRIER	WVTR 38° C 90% RH	-	8.5	g/m 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. 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 except for metallized layer surface tension
- Strongly recommend online corona treatment in metallised films during lamination as treatment level decay with time is a natural phenomenon which depends on ambient conditions (Recommended storage conditions: Temperature < 30 deg C & Humidity 55% (Maximum) in original packed condition)