

PROVISIONAL

PDQ43TI

PEARLISED VERY LOW SEAL INITIATION TEMPERATURE HIGH HOT-TACK & HEAT SEAL STRENGTH CORONA TREATED ONE SIDE FOR HIGH SPEED PACKAGING APPLICATIONS



Corona Treated Heat seal Surface
Tie Layer
White Cavitated OPP Core
Tie Layer
Very Low SIT (85°C) Layer



AVAILABLE
CALIPERS

DESCRIPTION

PDQ43TI is white cavitated **BOPP** film, one side very ultra-low seal initiation temperature. Especially designed for the packaging industry 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 ~80°C)
- Excellent sealing properties in term of strength, hot-tack and integrity
- Pearlescent appearance on both side
- Total forgiving on HFFS & VFFS machines
- Low COF and good antistatic properties
- Lap sealable with other co-ex BOPP

APPLICATIONS

Can be used as a single web or laminate structures;

- Confectionary (Chocolate/ Gum/ Sugar)
- Bakery (Biscuits/ Cookie/ Crackers)
- Dairy products
- Ice Cream
- Box wrapping
- Soap flow wrap

NOMENCLATURE

PDQ43TI... Corona treated Surface Inside, Untreated Heat Seal Surface Outside

PDQ43TO... Corona treated Surface Outside, Untreated Heat Seal Surface Inside

TOPPAN SPECIALITY FILMS

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	PROPERTIES	POSITION	PDQ43TI	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	43	μ	Internal Method
	Density	-	0.70	g/cc	Internal Method
	GSM	-	30.1	g/m ²	Internal Method
	Yield	-	33.2	m ² /kg	Internal Method
OPTICAL	Opacity	-	83	%	ASTM D 1003
	Gloss	-	55	GU	ASTM D 2457
SURFACE	Dynamic COF	Film/Film	0.25	-	Internal Method
		Film/Metal	0.25	-	Internal Method
	Wetting Tension	-	38*	dynes/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	-MD	700	kg/cm ²	ASTM D 882
		-TD	1500		
	Elongation (at break)	-MD	140	%	ASTM D 882
		-TD	35		
THERMAL	Elastic Modulus	-MD	8000	kg/cm ²	ASTM D 882
		-TD	18000		
	Thermal Shrinkage	MD	5	%	ASTM D 1204
		TD	3		
	SIT	-	80	°C	Internal Method
	HSS at SIT (0.5sec, 14.5psi, 80°C)	-	200	gm/25mm	Internal Method
BARRIER	Heat Seal Strength (0.5sec, 14.5psi, 85°C)	-	500	gm/25mm	Internal Method
	WVTR (38°C, 90% rh)	-	4.4	g/m ² /day	ASTM F 1249

* 38 dyne/cm guaranteed for 4 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 except for corona treated layer surface tension.