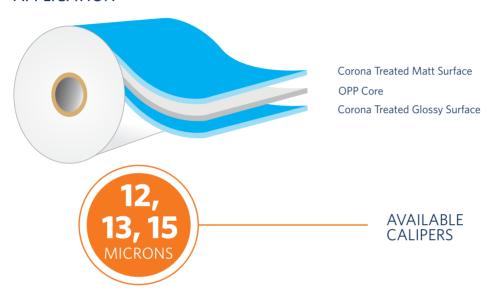
TOPPAN

TXPF

BOPP FILMS

TRANSPARENT MATT ONE SIDE CORONA TREATED BOTH SIDES FOR PRINT FINISH APPLICATION



DESCRIPTION

OPP TXPF is transparent Matt one side having both sides corona treated surface. It is developed for providing protection and good presentation to printed material.

PRODUCT FEATURES

- Can be laminated with other substances
- Printable/gluable
- Robust Machinability
- Low static
- Excellent wetting tension
- Suitable for food contact applications
- Water/Oil/Grease resistant

APPLICATIONS

To be laminated on various type of printed/unprinted items for providing long life and good presentation

- Posters
- Carton box
- Maps
- Magazines/books
- Folios'
- Certificates and important documents etc.

TOPPAN SPECIALITY FILMS

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	PROPERTIES	POSITION	TX12TTPF	ТХ13ТТРБ	TX15TTPF	UNIT	METHOD
I GENERAL	Nominal Thickness Density Grammage Yield	-	12 0.87 10.44 95.8	13 0.87 11.31 88.4	15 0.87 13.05 76.6	μ g/cc g/m² m²/kg	Internal Method Internal Method Internal Method Internal Method
SURFACEOPTICAL	Haze COF (Dynamic) Wetting Tension	- Film/Film -	75 0.40 38*	75 0.40 38*	0.40 38*	% - dyne/cm	ASTM D 1003 ASTM D 1894 ASTM D 2578
MECHANICAL	(at break) Elongation (at break) Elastic Modulus	- MD - TD - MD - TD - MD - TD	1100 2500 150 50 18000 28000	1100 2500 150 50 18000 28000	1100 2500 150 50 18000 28000	kg/cm² % kg/cm²	ASTM D 882 ASTM D 882 ASTM D 882
THERMAL	Linear Shrinkage	- MD - TD	4 2	4 2	4 2	%	ASTM D 1204

^{* 38} dyne/cm guaranteed for 3 months from delivery in controlled ambient conditions as per 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 $55\pm5\%$ 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 wetting tension