

TOPPAN SPECIALITY FILMS SUSTAINABILITY PIONEERS

Toppan Speciality Films (TSF) manufactures PP based recyclable and sustainable films of differentiated Quality. TSF is a consolidated subsidiary of Toppan Inc., a global MNC headquartered in Japan since 1900. TSF produces material of choice across BOPP/ CPP films for packaging, label and graphic lamination applications.

Toppan Speciality Films, established in 1989 in India. TSF is well known for its global standards, innovation and customer service. TSF has carved a distinct reputation for itself in 50+ countries and served directly/ indirectly major global brands/ converters for flexible packaging needs of F&B, FMCG and industrial goods.

Continuous technology upgrade has kept TSF at very top of leaderboard in developing one stop solutions for upcoming recyclability, sustainability and performance needs of industry.

STATE-OF-THE-ART INFRASTRUCTURE

- Grade "A+" Certification from BRCGS (British Retail Consortium Global Standards)
- Four BOPP lines* (6th BOPP Hybrid line (BOPE/BOPP) by FY 25)
- Six Metallizer lines
- One CPP line
- Two Chemical coating lines (New coating line by Sept-23)
- Three Extrusion lines/Graphic Lamination
- Quality Control Lab: The first in India to have won NABL accreditation
- R&D Lab certified by DSIR
- Pilot recycling plant - for PCR/ PIR granules
- One Master batch plant

(* includes the latest state-of-the-art BOPP line with world's unique inline coating feature)

SIZE AND SPREAD

- Turnover: \$180 Mn+
- Capacity: ~80,000 TPA
- Employee Strength: 500+

Earlier it was known as Max Speciality Films, in 2022. It became consolidated subsidiary of Toppan Inc. after acquisition.

TOPPAN FILMS FLEXIBLE. GLOBAL. RELIABLE

Toppan films serves the most fastidious markets of America, Europe, Asia, The Middle East, Australia and continuously meet their quality expectations.

CHANDIGARH CORPORATE OFFICE

(250 Kms North of New Delhi)
C-515, Nexus Elante, Office Building #178,
Chandigarh Industrial & Business Park, Phase-1, Chandigarh - 160002, India
Tel # +91 172 520 1000

FACTORY

419, Bhai Mohan Singh Nagar, Village Railmajra
Tehsil Balachaur, Dist. S.B.S. Nagar (Nawanshahr)
Punjab - 144 533, India

TOPPAN RECYCLABLE & SUSTAINABLE

Strategy for Sustainability:

REDUCE, REUSE, RECYCLE & COMPOST

Take all necessary steps in the field of flexible packaging.

Reduce plastic waste: Use Monolayer and Single-family polymer laminate structures.

Explore the new Monolayer and UNILAM series of sustainable films from TSF.

Take radical steps towards sustainability.

Partner with TSF in order to optimize your waste management and resource recovery.

Take vital steps.

Redesign laminate structures: Adopt the unique line of Al foil and PET replacement and biodegradable* BOPP films designed by TSF.

TO KNOW MORE CONNECT WITH TOPPAN FILMS. FOLLOW THE NEW SUSTAINABILITY TREND. MAXIMIZE RECYCLABILITY

development@tsfilms.in
toppan-specialityfilms.com

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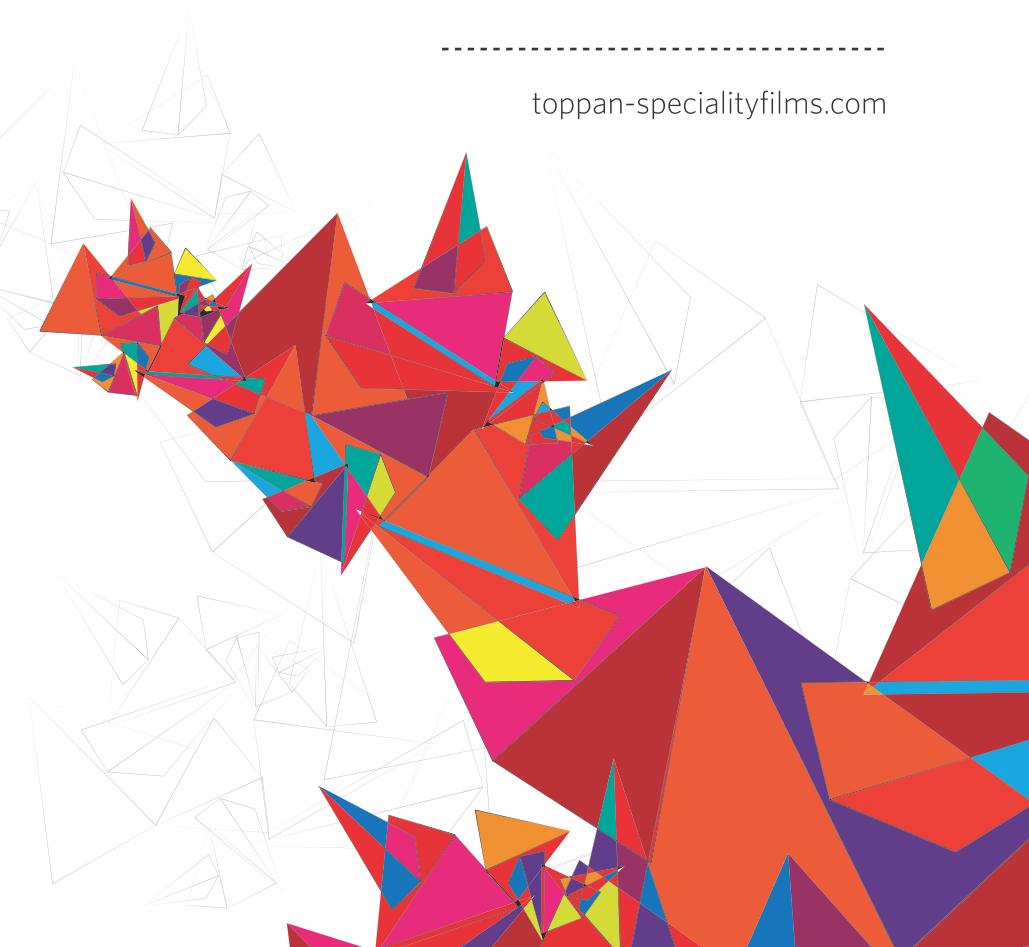
TOPPAN

TOPPAN SPECIALITY FILMS

THE POWER OF INNOVATION

VALUE-ADDED SPECIALITY BOPP FILMS FOR PACKAGING,
LABELING AND GRAPHIC LAMINATION APPLICATIONS

toppan-specialityfilms.com



Product Code	Type	Features	Thickness (μ)
PACKAGING FILMS			
BARRIER TECHNOLOGY			
SL5	Sandwich Lamination	• Met Pet replacement with WVTR-0.3 & OTR-1	15
SL6	Sandwich Lamination	• Al foil & Met Pet replacement with WVTR & OTR-0.2	15 & 18
SL7	Sandwich Lamination	• Al foil replacement with WVTR & OTR-0.1	15 & 18
SL8*	Sandwich Lamination	• Al foil replacement	15 & 18
MSOB3	Metalized Sealable	• Outstanding oxygen barrier with WVTR & OTR-0.2	18
MUSOB3	Metalized Sealable	• Outstanding seal performance in terms of	25
MUSOB5	Metalized Sealable	seal strength (1.5-2 kg) hot-tack and seal integrity	25
MPHSOB3	Metalized Cavitated	with WVTR-0.2 & OTR-0.2-8	28
MDSHB	Metalized Sealable	• Low SIT (98°C) & high oxygen barrier (OTR-8)	18
TTIHROB	Transparent BOPP	• Outstanding oxygen barrier (OTR-120 & WVTR-8) as a replacement of PET	18

* WVTR 0.08 and OTR 0.05

SEALING RELIABILITY			
TDS	Transparent	• Wide sealing range with very low seal initiation temperature (SIT 95°C)	18 & 20
MDS	Metalized	• Excellent sealing properties (SIT 95°C) in terms of seal strength, hot-tack and integrity	18 & 20
MDHS*	Metalized	• Excellent sealing properties (SIT 90°C) in terms of seal strength, hot-tack and integrity with WVTR-0.25 & OTR-50	18
TDQ	Transparent	• Wide sealing range with very low seal initiation temperature (SIT 85°C)	18,20 & 30
MDQ	Metalized	• Excellent seal integrity (SIT 85°C) in presence of contaminants and humidity with WVTR-0.2 & OTR-60	18
MDILW3	Metalized	• Excellent metal adhesion, bond strength and treatment retention in metalized films (SIT 95°C) with WVTR-0.2 & OTR-60	18

* Seal Strength 1 kg/25mm

MULTI FUNCTIONAL LAPSEAL			
LS	Transparent	• Lap sealable with other sealant substrates	10,12 & 20
TDX	Matt		18, 20, 25 & 30

BIODEGRADABLE BOPP FILM			
TI-BIO	Plain	• Printable grade	18 & 40
TSTIHS-BIO	Transparent Heat Sealable	• Overwrap application	25
TLT-BIO	Transparent Heat Sealable Overwrap	• Cigarette Overwrap	18
TOE-BIO	Transparent thermal base film	• Suitable for Thermal base application	12 & 13
TIHR-BIO	Heat Resistant film	• Printable grade	20 & 25
CBG-BIO	Thermal Extruded	• Thermal Lamination Film	25
TIT-BIO	Transparent	• Biodegradable Tape	40,45 & 50

ALOX BOPP FILMS			
TS18TTI-TB3	Sandwich layer	• Alox both side treated BOPP, One Side Heat Sealable, High Barrier for conversion with WVTR & OTR-1	18
TS25TTI-TB3	Top layer or Sandwich layer for snacks	• Alox both side treated BOPP, One Side Heat Sealable, High Barrier for conversion with WVTR & OTR-1	25
TDS18TI-TB3	Sealant layer	• Low SIT, Heat Sealable Alox BOPP, High Barrier with WVTR & OTR-1	18
TS18TOCIR-B4*	Sandwich layer	• Alox both side treated BOPP, One Side Heat Sealable, High Barrier for conversion with WVTR & OTR-0.5	18
TS18TOCI-B4	Sandwich layer	• Alox both side treated BOPP, One Side Heat Sealable, High Barrier for conversion with WVTR & OTR-0.5	18
TDS18CI-B4	Sealant layer	• Low SIT, Heat Sealable Alox BOPP, High Barrier with WVTR & OTR-0.5	18

Note: *Retortable Alox BOPP is under development & it will take next 4 months to have some film samples for trial & validation.

Product Code	Type	Features	Thickness (μ)
CAST POLYPROPYLENE FILMS (CPP)			
MSI-CPP	Metalized	• Normal SIT & barrier with WVTR-1 & OTR-150	22 & 25
MSISPL-CPP	Metalized	• Low SIT with WVTR-0.8 & OTR-100	22 & 25
MDSI-CPP*	Metalized	• Low SIT, high metal bond adhesion & Outstanding barrier with WVTR-0.4 & OTR-50	25
MDSHB-CPP	Metalized	• Excellent oxygen barrier with WVTR-0.4 & OTR-30	25
TSTIRT-CPP	Transparent	• Retort grade application	70
MUSOB3-CPP	Metalized	• Excellent oxygen barrier & seal strength with WVTR-0.3 & OTR-1	25
TSTI-CPP	Transparent	• Printable grade	25,30,35 & 40
WDSIT-CPP	Solid white	• Low SIT	25
WSTI-CPP	Solid white	• Normal SIT	22

* SIT 90°C, WVTR 0.4, OTR 50

OVERWRAP BOPP FILMS			
TSTIHS-BIO	Transparent Heat Sealable	• Biodegradable Overwrap application	25
TLT-BIO	Transparent Heat Sealable Overwrap	• Biodegradable Cigarette Overwrap	18
TSPRN-I	Transparent Heat Sealable	• Carton Overwrap	50
COXAXHR2	Coated Heat Sealable	• Bundle Overwrap	52
TS	Transparent Heat Sealable	• Carton Overwrap	20,25,30,35 & 40

HEAT RESISTANT TRANSPARENT			
HR	Transparent	• More heat resistant than conventional transparent BOPP film	18, 20 & 25
TTIHROB	Transparent BOPP	• Outstanding oxygen barrier	18

CONTROLLED STABLE SLIP			
HS	Transparent	• High slip with controlled COF range COF range 0.25 - 0.32	15, 17, 18, 20, 25, 30 & 35

HOLOGRAPHIC BASE			
TSIH	Transparent Sealable	• Excellent adhesion of holographic coating on embossable side & suitable for metallization and direct over-wrapping	18 & 20
TIH	Transparent Non Sealable		18 & 50
TDQTIH	Transparent Sealable	• Excellent holographic effect after embossing Outstanding optical properties (high gloss, exceptional clarity and low haze)	25

LABEL FILMS

WRAP AROUND			
PWL	White Cavitated	• High Yield	38 & 50
PWL1	White Cavitated	• High Yield	38
PWL2	White Cavitated (low density)	• High Modulus	38
TWL	Transparent	• Outstanding Adhesion and printability	25,30 & 38
MPWL	Metalized Cavitated	• Ideal for high speed labeling	38

IN MOULD			
PXIML	White Cavitated	• Resistance to external mechanical, thermal and chemical effects	60 & 65
PXIMLOP2	White Cavitated (Orange Peel Effect & Low Density)	• Excellent Flatness	60 & 70
PXIMLOP	White Cavitated (Orange Peel Effect)	• Excellent Film opacity with orange peel effect	65
PXTTOIMLOP-UV / PXTCOIMLOP-U	White Cavitated (Orange Peel Effect)	• Excellent Film opacity with orange peel effect	65
WSXTOIML / WXTCOIML-U	Solid white Non Orange Peel	• Suitable for UV printable ink without need of pre-primer	58
CBCXTTOBIML	Blow Moulding Application	• Excellent Flatness	90

Product Code	Type	Features	Thickness (μ)
PRESSURE SENSITIVE			
PXTTOPSL	White Cavitated	• Two side corona treated, glossy side for printing and matt side for adhesive	56,58 & 63
TTTOPSL	Transparent	• Both side corona treated, transparent film for labelling application	40,45 & 50
MTTIPSL	Metalized	• Metalized one side and other side corona treated	40,45 & 50
COCXPSL2 / COCXPSL2-U / COAITTRO	White Cavitated	• Coated film for excellent bonding and printability	58,60,65 & 75
COTPSL2	Transparent	• Coated film for excellent bonding and printability	41 & 50
COMPSSL2-NP2 / COMPSSL2M	Metalized	• Coated film for excellent bonding and printability	50
COCXPSL2	White Cavitated	• Coated film for excellent bonding and printability	60
COWSXPSL2	Solid White	• Coated film for excellent bonding and printability	59

SPECIAL SURFACES

COLD SEAL RELEASE			
H1C	High Matt	• Easy release from cold seal adhesives rich matt appearance	18, 15 & 25
SM2C	Silk Matt	• Easy release from cold seal adhesives rich silky touch	25
TIC	Transparent	• Easy release from cold seal adhesives high clarity	25 & 30
N2C	Normal Matt	• Easy release from cold seal adhesives high clarity	25

COLD SEAL RECEPTIVE			
SL3	Metalized	• Highly receptive to cold seal adhesives, yield advantage	15 & 18
SL4	Metalized	• Highly receptive to cold seal adhesives	15
SL6	Metalized	• Highly receptive to cold seal adhesives	15 & 18

ANTI SKID			
TSHCF	Transparent Sealable	• High COF at untreated surface, to facilitate anti-skid during stacking	17 & 18
HSHCF	Transparent Sealable	• Good printability and suitable for lamination with other substrates	20
H1HSHCF	Matt Sealable	• Food grade • Lap Sealable to PP (HSHCF & H1HSHCF)	18

GRAPHIC LAMINATION FILMS

ELITE			
CST32EH	Super Silk	• Films with unique touch conveying feeling of luxury and exclusivity	32
CBSX30EH	Silk Matt	• Films with silk finish (relatively low scuff) and hot foil stamping suitable for UV Coating, embossing	27 & 30
CSF30EH ¹	Scuff-free	• Special films with properties that resist scuffing and scratching unlike conventional matt film	30
CBM22EH	Metalized	• Films with Metallic finish for non-printed applications. excellent bond with EPS sheet and for single/both side lamination	22
CPM37EH-RF	Reflective Insulation	• Films with high reflectivity and form good bond with EPE/XPE foam and air bubble sheets	27 & 37
CBG32EHD	Digi-Gloss	• Extra strong films, specially designed for lamination of digital prints. • Very good bond strength with fuser oil and other digital printing inks	32 & 42

CLASSIC			
CBG25EH	Gloss	• High-clarity films with superior gloss finish designed high-speed, single side lamination	20, 22 & 25
CBX26EH	Matt	• Films with Excellent matt surface, suitable for UV-coating, embossing and hot foil stamping	20, 22 & 26
CPG75EH	Encapsulation	• Films with superior durability, excellent tear and scuff resistance	75

¹ Available PET based