SB TAPE GROUP / TECHNICAL DATA SHEET PACK

BOPP Packaging Tape - Public TDS Pack

Buyer-ready summary for carton sealing, machine rolls, high-tack, low-noise, slim, recycled and selected specialty OPP packaging tape families.

OPP carton sealing	Hand / machine / jumbo rolls	Acrylic / hybrid / hotmelt options	Public TDS summary

How to use this pack	Use this pack to shortlist a product family before enquiry. Final product selection depends on carton surface, temperature, packing line, roll size, country, quantity and customer specification. Exact TDS can be confirmed by grade and thickness.

Updated July 2026. Values are public buyer-review summaries prepared from available SB Tape Group technical documents. Where a project requires certification, test method, regulatory language or market-specific wording, request the exact document for the grade and application.

Core BOPP family map

Family / product code	Adhesive / construction	Typical thickness range	Key values shown in source TDS	Typical use / buyer note
#910 Hotmelt OPP	BOPP film with synthetic rubber hotmelt adhesive	38-63 um total	Steel adhesion >=0.750-1.200 kg/25mm; tensile >=5.5-12.0 kg/25mm; elongation >=110-150%	General carton sealing where strong initial tack and low-temperature performance are needed. Recommended application temperature 10 to 40 deg C.
#810 Waterbased OPP	BOPP film with acrylic emulsion adhesive	38-63 um total	Steel adhesion >=4.0-5.0 N/25mm; fibre adhesion >=6.0-8.0 N/25mm; holding >=60-80 h	General industrial carton sealing, bundling and packaging. Available in clear, crystal clear, whitish clear, brown/tan and colours.
#820 / #820S Waterbased OPP	BOPP film with acrylic emulsion adhesive	34-90 um total	Steel adhesion from >3.0 to >=7.0 N/25mm; fibre adhesion from >3.0 to >=7.3 N/25mm; tensile up to >100 N/25mm	Main daily packaging range for hand rolls, machine rolls, jumbo rolls, colour options and printed tape.
#826 Low-unwind machine roll	BOPP film with acrylic emulsion adhesive	40-62 um total	Steel adhesion >=4.5-6.0 N/25mm; holding >=40 h; tensile >=60-80 N/25mm	Machine-sealing option where low unwind force and cleaner running are important.
#829 Strong waterbased OPP	BOPP film with acrylic emulsion adhesive	45-90 um total	Steel/fibre adhesion >=6.0-7.5 N/25mm; holding >=24 h	Heavier duty carton sealing where higher adhesion is required.
#840 / #SBT / SB Cello strong-bond ranges	BOPP film with acrylic emulsion or hybrid adhesive by grade	38-90 um total depending on range	#840 holding >=80 h; #SBT adhesion up to >=8.0 N/25mm steel and >=8.5 N/25mm fibre; SBT recommended application -15 to 60 deg C	For heavier cartons, double-wall or bulky cartons, cold-room/freezer-use carton sealing and demanding shipment routes.
Low Noise / Grid / Slim / Super Eco / Stationery	BOPP film with acrylic emulsion or modified adhesive systems	31-55 um total by family	Low Noise <80 dBA; Grid conductive layer <=10^9 Ohms/sqm @ 50%RH; Slim TX 32-50 um	Specialty options for quiet unwind, static prevention, longer-length slim rolls and stationery applications.
rBOPP / rPET / Bio tape	Recycled or biodegradable backing options with acrylic adhesive systems	30-55 um total by family	rBOPP steel adhesion >=4.5-5.5 N/25mm; rPET steel adhesion >=5.0-6.5 N/25mm; Bio #840/#820 steel adhesion >=6.5 N/25mm	Use where sustainability-related material discussion is part of buyer specification. Confirm current documentation and claim wording before market use.

Representative BOPP ranges

Range	Representative grades	Film thickness	Total thickness	Adhesion to steel	Adhesion to fibre / linerboard	Holding / shear	Temperature note
#910 Hotmelt	#910-38 to #910-63	23-40 um	38-63 um	>=0.750-1.200 kg/25mm	Shear to linerboard >=2200 to >6500 min	Synthetic rubber hotmelt	Application 10 to 40 deg C; low-temp performance noted down to -5 deg C
#820 Waterbased	#820-34 to #820-90	23-60 um	34-90 um	>3.0 to >=7.0 N/25mm	>3.0 to >=7.3 N/25mm	>=10 to >=18 h	Application -10 to 60 deg C
#826 Machine	#826-40 to #826-62	23-38 um	40-62 um	>=4.5 to >=6.0 N/25mm	>=4.5 to >=6.0 N/25mm	>=40 h	Application 0 to 60 deg C
#840 Strong	#840-38 to #840-90	23-60 um	38-90 um	>=5.0 to >=6.8 N/25mm	>=5.5 to >=7.5 N/25mm	>=80 h	Application -10 to 60 deg C
#SBT Strong	#SBT-38 to #SBT-65	23-38 um	38-65 um	>=5.0 to >=8.0 N/25mm	>=5.0 to >=8.5 N/25mm	>=25 h	Application -15 to 60 deg C
TX Slim	#TX-32 to #TX-50	23-29 um	32-50 um	>=4.0 to >=7.0 N/25mm	>=6.0 to >=7.5 N/25mm	>=24 h	Application 0 to 60 deg C
rBOPP	#820-43 to #820-55	23-28 um	43-55 um	>=4.5 to >=5.5 N/25mm	>=5.0 to >=6.0 N/25mm	>=18 h	Confirm recycled-content documentation before market claim
rPET	#846-30 / #846-37 / #SBT-37	12-19 um	30-37 um	>=5.0 to >=6.5 N/25mm	>=5.5 to >=7.5 N/25mm	>=24-25 h	Confirm product family and backing material before use

Notes: Colours, roll dimensions, print, packing format and MOQ depend on grade and order requirement. This pack does not replace the final product-specific TDS issued for approved samples or commercial supply.

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Double-Sided PET Tape - Public TDS Pack

Public summary for CPF-D17, PF-D17 and PF-D40 double-sided PET tape families used in E&E, automotive, foam/plastic mounting and die-cut applications.

PET film carrier	Acrylic adhesive	HDPE-coated paper liner	Die-cut and mounting support

How to use this pack	Use this pack to compare construction, thickness and adhesion direction before sample discussion. Customer trial is required for surface, die-cut design, liner handling, temperature and end-use validation.

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Construction and family positioning

Family	Construction	Typical thickness	Positioning	Common applications
CPF-D17	PET film + tackified acrylic adhesive + HDPE-coated paper liner	100 / 185 / 250 um	Higher-adhesion double-sided PET range with electrical isolation properties.	Plastic and metal bonding, E&E parts, medical instruments, automotive interior parts, FPC/interlayer isolation, membrane switches and inlay panels.
PF-D17	PET film + acrylic adhesive + HDPE-coated paper liner	100 um	Transparent acrylic PET tape with strong plastic and metal surface adhesion.	Mounting plastic/foam parts, die-cut support, component bonding and appliance use.
PF-D40	Flexible transparent PET film + tackified acrylic adhesive + HDPE-coated paper liner	50 / 80 / 100 / 160 / 200 um	Low-odor double-sided PET family with good die-cut handling.	Reflection foil on LED/LCD frame, plastic and foam mounting, decorative moulding, nameplates and E&E appliance components.
PF-D40 MR	PET film + tackified acrylic adhesive + HDPE-coated paper liner	100 / 120 / 160 / 200 um	MR grade options with stronger high-temperature resistance direction.	LED/LCD frame, foam/plastic mounting, interior parts and component assembly requiring higher heat-resistance discussion.

Representative technical values

Grade	Total thickness	Liner	Steel adhesion initial / 14d	ABS 14d	PC 14d	PP 14d	Temperature resistance
CPF-D17 #100C38	100 um	HDPE-coated paper, 120 um	6.8 / 8.1 N/cm	7.8 N/cm	7.3 N/cm	4.7 N/cm	Short 180 deg C; long 80 deg C
CPF-D17 #185C125	185 um	HDPE-coated paper, 120 um	5.9 / 7.1 N/cm	7.3 N/cm	6.9 N/cm	4.6 N/cm	Short 180 deg C; long 80 deg C
CPF-D17 #250C188	250 um	HDPE-coated paper, 120 um	4.8 / 6.2 N/cm	5.9 N/cm	5.9 N/cm	4.3 N/cm	Short 180 deg C; long 80 deg C
PF-D17 #100C50	100 um	HDPE-coated paper, 120 um	6.5 / 7.8 N/cm	7.8 N/cm	7.1 N/cm	4.5 N/cm	Short 180 deg C; long 80 deg C
PF-D40 #50	50 um	HDPE-coated paper, 120 um	4.1 / 5.2 N/cm	5.3 N/cm	5.1 N/cm	3.5 N/cm	Short 120 deg C; long 80 deg C
PF-D40 #80	80 um	HDPE-coated paper, 120 um	5.1 / 6.2 N/cm	6.2 N/cm	6.3 N/cm	4.4 N/cm	Short 120 deg C; long 80 deg C
PF-D40 #100	100 um	HDPE-coated paper, 120 um	6.2 / 6.9 N/cm	6.7 N/cm	6.9 N/cm	4.7 N/cm	Short 120 deg C; long 80 deg C
PF-D40 #160	160 um	HDPE-coated paper, 120 um	6.5 / 7.1 N/cm	6.9 N/cm	6.9 N/cm	4.9 N/cm	Short 120 deg C; long 80 deg C
PF-D40 #200	200 um	HDPE-coated paper, 120 um	7.5 / 8.4 N/cm	8.1 N/cm	8.3 N/cm	5.1 N/cm	Short 120 deg C; long 80 deg C

PF-D40 MR representative values

MR grade	Total thickness	Steel adhesion initial / 14d	ABS initial / 14d	PC initial / 14d	PP initial / 14d	Temperature note
PF-D40 #100MR	100 um	6.1 / 7.2 N/cm	8.2 / 7.1 N/cm	6.3 / 6.9 N/cm	3.2 / 4.1 N/cm	Short 180 deg C; long 90 deg C
PF-D40 #120MR	120 um	6.1 / 7.2 N/cm	8.2 / 7.1 N/cm	6.3 / 6.9 N/cm	3.2 / 4.1 N/cm	Short 180 deg C; long 90 deg C; operating -40 to 66 deg C
PF-D40 #160MR	160 um	7.2 / 8.3 N/cm	6.9 / 7.8 N/cm	7.4 / 7.9 N/cm	4.3 / 5.1 N/cm	Short 180 deg C; long 90 deg C
PF-D40 #200MR	200 um	8.1 / 9.1 N/cm	8.2 / 9.1 N/cm	8.3 / 9.3 N/cm	4.4 / 5.1 N/cm	Short 180 deg C; long 90 deg C

Sample evaluation may include peel adhesion, thickness, unwind, liner handling, die-cut stability, surface compatibility, temperature condition and customer application trial. External testing may be coordinated where required.

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Single-Sided PET Tape - Public TDS Pack

Public summary for selected single-sided PET tapes used in electrical insulation, protective masking, holding and heat-resistant process applications.

PET film backing	Acrylic adhesive options	Electrical insulation checks	Heat-resistant holding grades

How to use this pack	Use this pack to shortlist a PET single-sided tape family before sample review. Final selection depends on surface, removability, process temperature, storage, residue expectation and customer validation.

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Product family positioning

Family	Construction / colour	Typical thickness	Positioning	Common applications
FS-50 / FS-50B / FS-50DL	25 um polyester film with tackified acrylic adhesive; clear or black; FS-50DL can be laminated with release paper	50 um	Electrical insulation and protective PET tape with good adhesion and dielectric properties.	Cable/wire protective jackets, coil winding, core/interlayer insulation and small motor bandage.
FS-70HT	25 um polyester film with tackified acrylic adhesive; clear	70 um	Heat-resistance direction for electrical insulation and process masking.	Electrical insulation, coil winding, splicing, masking and surface protection where dimensional stability matters.
FS-80 / FS-80B	50 um polyester film with tackified acrylic adhesive; clear or black	80 um	Heavier single-sided PET tape with higher tensile and dielectric values.	Electrical insulation, wire/cable protection, isolation and industrial protective use.
FS-88 Series	50 um PET film with acrylic adhesive; transparent or light blue options	80 um	Residue-free removal holding tape family with high adhesion and heat resistance.	Temporary holding, protective masking, automotive and home appliance component mounting or anchoring.
FS-LB58HT / FS-LB77HT	Light blue polyester film with acrylic adhesive	58 / 80 um	Residue-free removable holding tape for process and assembly use.	Temporary fixing, holding, protective masking during fabrication, assembly, shipping and storage.

Representative technical values

Grade	Total thickness	Backing / colour	Adhesive	Adhesion to steel	Tensile / elongation	Electrical properties	Temperature note
FS-50B	50 um	Polyester film, black	Tackified acrylic	3.2 N/cm	>90 N/25mm; >80%	Volume resistivity 10^14 Ohm cm; dielectric 5kV; electrolytic corrosion 10^11 Ohm m	Long 60 deg C; short 120 deg C
FS-50DL	50 um	Polyester film, clear; release-paper lamination available	Tackified acrylic	3.2 N/cm	>90 N/cm; >80%	Volume resistivity 10^14 Ohm cm; dielectric 5kV; electrolytic corrosion 10^11 Ohm m	Confirm by final grade
FS-70HT	70 um	Polyester film, clear	Tackified acrylic	1.9 N/cm	>90 N/cm; >80%	Volume resistivity 10^14 Ohm cm; dielectric 5kV; electrolytic corrosion 10^11 Ohm m	Heat-resistance performance; confirm final condition by sample trial
FS-80B	80 um	Polyester film, black	Tackified acrylic	4.1 N/cm	>110 N/25mm; >90%	Volume resistivity 10^12 Ohm cm; dielectric 8kV; electrolytic corrosion 10^11 Ohm m	Long 60 deg C; short 120 deg C
FS-88 Series	80 um	PET film, transparent / light blue variants	Acrylic	8.5 N/25mm	200 N/25mm; 80%	Volume resistivity 10^12 Ohm cm; dielectric 8kV; electrolytic corrosion 10^11 Ohm m	Short 150 deg C for 15 min; long 80 deg C for 90 days
FS-LB58HT	58 um	Polyester film, light blue	Acrylic	3.5 N/25mm	200 N/25mm; 80%	Volume resistivity 10^12 Ohm cm; dielectric 8kV; electrolytic corrosion 10^11 Ohm m	Short 150 deg C for 15 min; long 80 deg C for 90 days
FS-LB77HT	80 um	Polyester film, light blue	Acrylic	3.5 N/25mm	200 N/25mm; 80%	Volume resistivity 10^12 Ohm cm; dielectric 8kV; electrolytic corrosion 10^11 Ohm m	Short 150 deg C for 15 min; long 80 deg C for 90 days

Sample evaluation may include adhesion, tack, holding power, unwind, thickness, tensile, appearance, removability and residue check depending on product requirement. External testing may be coordinated where required.