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.