SB TAPE GROUP / TECHNICAL DATA SHEET PACK

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.

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.

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.