SB TAPE GROUP / TECHNICAL DATA SHEET PACK

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.

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.

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.