



#9004 3M Brand Black Double Coated PET Carrier Tape

Temporary Technical Data

Apr. , 2003

Product Information # 9004 Black 0.100 mm Thickness Acrylic Adhesive
Double side Film Liner

Construction



Film Liner
Acrylic Adhesive
PET Film
Acrylic Adhesive
Film Liner

Adhesive Type Cross-linked, Tackified Acrylic Adhesives

Adhesive Carrier PET Film

Thickness

Tape only	0.100 mm $\pm$ 0.010 mm
Release Liner	0.023 mm $\pm$ 0.005 mm
	0.050 mm $\pm$ 0.005 mm

Color Black

Release Liner One side Silicone coated Film

* Pressure Sensitive Acrylic Adhesive(Cross-linked, tackified) provide excellent initial tack and adhesion to a wide variety surface including many low surface energy plastics.



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Typical Physical
Properties and
Performance
Characteristics

Note : The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Peel Adhesion : 90 j Angel peel, 12 in/min(305 mm/min) grams/25 mm
RT, 72hours Dwell

Substrate	Peel strength	
Stainless steel	1,200	1500
PC	1,200	1500
ABS	1,000	1300

70 °C, 72 hours dwell

Substrate	Peel strength	
Stainless steel	1,800	2,000
PC	1,500	1,500
ABS	1,500	1,800

ASTM D-3330

Temperature Resistance

Short Term(minutes, hours)	140 j É
Long Term(Days, Weeks)	100 j É

Light insulation properties 99.99 %

Test method

CCFL(Cold Cathode Fluorescence Lamp) used, Relative insulation properties between bare glass and tape bonded surface.

Roll width 1,000 mm



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Shelf Life 24 month from date of receipt by customer when stored in original carton at 70°F (22 °C) and 50 % relative humidity

Available Sizes

Standard roll Length 100 M

Roll width 1,000 mm

Slitting Tolerance ± 0.8 mm

Application Techniques

-. Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure help develop better adhesive contact and improve bond strength.

-. To obtain optimum adhesion, the bonding surfaces must be cleaned, dry and well unified. Typical surface cleaning solvents are isopropyl alcohol and water(rubbing alcohol) or heptane.

Note : Be sure to follow the manufacturer's precautions and direction for use when using solvents

-. Ideal tape application temperature range is 70°F (22 °C) to 100°F (38 °C)

Application Idea

-. # 9004 Black was designed for light insulation purpose of electronics device.

-. # 9004 Black tapes and formulated for more demanding indoor and outdoor general purpose mounting and joining application.

-. Application ideas for these Tapes include

Holding and bonding of electronics device

Appliance, Display Case and Electronics Equipment Trim



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Light weight material bond

For Additional
Information

To request additional product information for sales assistance, call 82-80-533-4114. Address correspondence to : Engineered Adhesive Division, 3M Korea LTD, DAEHAN INVEST TRUST BLDG 22 ND, YOIDO-DONG, YONGDEUNGPO-GU, SEOUL KOREA Our fax number is 82-2-786-7429.

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This Engineered Adhesive Division product was manufactured under a 3M quality system registered to ISO 9002 standards

ISO 9002
