



3M™ Double Coated Tape

Products for Pad to Platen Attachment

Since 1980, various types of 3M™ Double Coated Adhesive Transfer Tapes have been developed and used to attach polishing pads to the platen in the chemical mechanical planarization (CMP) industry. The most commonly used products are the family of 3M™ Double Coated Tapes 442, due to their chemical resistance and easy removal ability from the platen. With the increased demand on service life and chemical resistance of various types of slurries, enhanced double coated tapes have been developed to meet these stringent requirements. The following table provides a list of 3M™ Double Coated Tapes currently in use in the CMP industry to attach polishing pads to platens. For detailed performance information, please refer to the product Technical Data Sheets.



3M™ Double Coated Tape 442

3M™ Double Coated Tape	Manufacturing Location	Carrier Type	Carrier Thickness (mils)	Liner A Thickness (mils)	Liner B Thickness (mils)	Liner Type (Single or Dual)	Liner Type (Paper/PET)	Jumbo Width Offered (")	Feature
442F	US	PET	1	3	N/A	Single	PET	Up to 60"	Rubber adhesive, clean removal
442KW	US	PET	1	4.5	N/A	Single	Paper	Up to 60"	Rubber adhesive, clean removal
458PLD	US	PET	1	4.3	1	Dual	Paper (Embossed)	Up to 62"	Rubber adhesive, with micro-channel on the surface to avoid air trap
442JS	JP	PET	1	4.1	N/A	Single	Paper	Up to 80"	Rubber adhesive, clean removal
442JSDL	JP	PET	1	4.1	1.97	Dual	Paper/PET	Up to 53"	Rubber adhesive, clean removal
442JA	JP	PET	1	4.1	N/A	Single	Paper	Up to 64"	Single side rubber adhesive, single side acrylic adhesive
442JSK	JP	PET	1	4.1	N/A	Single	Paper	Up to 53"	Rubber adhesive, stable tack

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

Safety Data Sheet: Consult Safety Data Sheet before use.

Regulatory: For regulatory information about this product, contact your 3M representative.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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