



410B Double Coated Tape

Product Data Sheet

Updated : August 2003
Supersedes : March 1996

Product Description 410B has a medium-firm rubber-resin pressure sensitive adhesive system. It features an excellent balance of high initial adhesion and good holding power to a wide variety of materials.

Physical Properties
Not for specification purposes

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| Adhesive Type | Medium-Firm Natural Rubber | 3M ref : 850 |
| Carrier | Treated Paper | |
| Thickness (ASTM D-3652) Tape Liner Total | 130 µm 5 Thou 75 µm 205 µm | |
| Release Liner | Green Plaid Paper | |
| Tape Colour | Off White | |
| Shelf Life | 12 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity | |

Performance Characteristics
Not for specification purposes

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| Adhesion to Stainless Steel ASTM D-3330 | 6 N/10mm | |
| Shear Resistance | Good | |
| Temperature Performance Max : Minutes / Hours Max : Days / Weeks Minimum | 65 °C 93 °C 0 °C | |
| Solvent Resistance | Medium | |
| UV Light Resistance | Not recommended for direct exposure to sunlight or other sources of ultra-violet light. | |

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| Application Techniques | <p>1. Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact & thus improves bond strength.</p> <p>2. To obtain optimum adhesion, the bonding</p> | <p>surfaces must be clean dry and well unified. A typical surface cleaning solvent is isopropyl alcohol. Use proper safety precautions for handling solvents.</p> <p>3. Ideal tape application temperature range is 21°C to 38°C (70°F to 100°F).</p> | <p>Initial tape application to surfaces at temperatures below 10°C (50°F) is not recommended because the adhesive becomes too firm to adhere readily. However once properly applied low temperature holding is generally satisfactory.</p> |
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| Applications | <p>410B adhesive is well suited for bonding together a wide variety of similar and dissimilar materials such as rubbers, metals, wood, glass, papers, paints and many plastics.</p> | <p>Splicing of papers, foils, films, fabrics etc.</p> <p>Mounting rubber or photopolymer printing plates.</p> | <p>Miscellaneous joining, holding and mounting uses where high adhesion and holding power are required.</p> |
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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.



Tapes & Adhesives

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