

9415 High / Low Tack Double Coated Tape

Product Data Sheet

Updated : October 1993
Supersedes : All Previous

Product Description

A film tape coated on one side with a high tack (permanent) pressure sensitive adhesive and on the other with a low tack 'Post-it' (removable) pressure sensitive adhesive.

Excellent for holding samples to Direct Mail pieces. Will make items into removable labels.

Physical Properties

Not for specification purposes

Adhesive Type	High Tack Acrylic (non-linered side) Low Tack Acrylic (liner side)	3M ref : A-40/80
Carrier	Polyester Film	
Thickness (ASTM D-3652) Tape Liner Total	80 µm 100 µm 180 µm	
Release Liner	Silicone treated paper.	
Tape Colour	Clear	
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

Adhesion to Stainless Steel ASTM D-3330	1.6 N/10mm 0.5 N/10mm	Face Side Linered Side
Temperature Performance Max : Minutes / Hours Max : Days / Weeks Minimum	65 °C 50 °C - 30 °C	
Solvent Resistance	Not Recommended	
UV Light Resistance	Good	

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Additional Product Information

This low-tack adhesive allows removal of many papers, foils and films without adhesive residue and will not cause delamination of most paper stocks. In many cases, the tape can be reusable for up to one year. Up to 450 removal cycles have been achieved with some smooth papers. Specific tests should be performed to verify satisfactory performance.

These adhesives will not bleed into most paper stocks thus minimising possible discolouration or staining.

Flexible materials will adhere better to the low-tack adhesive than will rigid materials (e.g. paper vs cardboard). It may also be necessary to remove curl from certain materials to avoid having them pull away from the low-tack adhesive over a period of time.

These adhesives have excellent ageing properties in the sense that they do not degrade on ageing when sandwiched between two substrates in normal use.

Application Techniques

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.

2. To obtain optimum adhesion, the bonding

surfaces must be clean dry and well unified. A typical surface cleaning solvent is isopropyl alcohol. Use proper safety precautions for handling solvents.

3. Ideal tape application temperature range is 21 °C to 38 °C (70 °F to 100 °F).

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.

Applications

Removable, reusable or reclosable uses such as:

Core starting.

Mounting promotional items on mailers.

Reclosable bags or envelopes.

Photo mounting and/or photo album page covers.

Point of purchase displays.

Book inserts, note pads etc.

Roll tabbing.

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