9605 Adhesive Transfer Tape

Product Data Sheet

Updated : March 1994
Supersedes :

Product Description

Medium-firm acrylic adhesive system. It features an excellent balance of high initial adhesion (quick stick) and good shear holding power.

Bond strength generally increases somewhat with natural ageing.

Physical Properties
Not for specification purposes

Adhesive Type	High temperature Acrylic	**3M ref :** N/A
Thickness (ASTM D-3652) Tape Liner Total	 50 µm 100 µm 150 µm	
Release Liner	White Polycoated Silicone 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 AFERA 4001	7 N/10mm	
Shear Resistance	Medium	
Temperature Performance Max : Minutes / Hours Max : Days / Weeks Minimum	 200 °C 120 °C -30 °C	 Up to 240°C for minutes
Solvent Resistance	High	
UV Light Resistance	Excellent	

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Additional Product Information	This is a "permanent" adhesive in the sense that it does not degrade when sandwiched between two impermeable surfaces in normal use.	This adhesive will not bleed into most paper stocks, thus minimising possible discolouration of business forms, posters etc.	
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	This adhesive is well suited for bonding together a wide variety of similar and dissimilar materials such as metals, glass, wood, papers, paints, and many plastics. High speed flying splices on most grades of paper such as newsprint, clay coated, corrugated stocks.	Splicing of foils, films and fabrics. Attaching labels or instructions to bottles. Laminating adhesive for foams, photos. Attaching metal or plastic nameplates. Core starting.	Mounting promotional items posters, etc. Mounting rubber or photopolymer printing plates. Reclosable plastic bags. Miscellaneous joining and holding where high initial adhesion, easy liner release and a thin, long ageing bond is required.

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.

3M

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