



467MP Transfer Tape

Product Data Sheet

Updated : November 2001

Supersedes : February 1999

Product Description	A-30 is a firm acrylic pressure-sensitive adhesive system. It features high ultimate bond strength with excellent high temperature performance and excellent	solvent resistance. Bond strength increases substantially with natural ageing.	467 is a long ageing resistant product used extensively by the nameplate industry.
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Physical Properties
Not for specification purposes

Adhesive Type	Firm Acrylic	3M ref : A-30
Thickness (ASTM D-3652) Tape Liner Total	50 µm 2 Thou 100 µm 150 µm	
Release Liner	Tan printed polycoated paper.	
Tape Colour	Clear	
Shelf Life	24 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	5.5 N/10mm	
Shear Resistance	High	
Temperature Performance Max : Minutes / Hours Max : Days / Weeks Minimum	204 °C 149 °C -30 °C	
Solvent Resistance	Excellent. When the adhesive is properly applied to impervious materials, it will resist solvent attack and adhesive softening through edge contact with mild acids and alkalines, oils, grease, gasoline kerosene, JP-4 fuel, and many other standard aromatic and aliphatic solvents. However, it is not recommended for uses where continuous immersion is required.	

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Performance Characteristics (Cont..) Not for specification purposes	UV Light Resistance	Excellent. Will not oxidise when exposed to air or sunlight UV.
	Water Resistance	Excellent. There are no evident adverse effects on the bond of properly applied materials after immersion in 21°C water for about 100 hours.

Additional Product Information

The legend Hi Performance No. 467 is imprinted on the release liner. 467MP is designed with a moisture resistant release liner which resists cockling or wrinkling from high humidity. The 50 micron thick adhesive is ideally suited for joining materials that are relatively smooth, thin and have low residual stress. If rough or thick materials with a small degree of residual stress are to be joined, then the 130 micron thick adhesive should be considered

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 & water. 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>467MP is well suited for bonding together a wide variety of similar and dissimilar materials such as metals, paints, wood, glass and some plastics.</p>	<p>An excellent adhesive for mounting nameplates and decorative trim.</p> <p>Automotive Industry.</p>
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Specifications

<p>This tape meets the requirements of U.S. Government specification MIL-P-19834, Amendment 1, Type 1.</p>	<p>467MP is a UL and AGA recognised product.</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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