



Scotch™

Double Coated Laminating Adhesive 9495MP

Product Data Sheet

Updated : July 2000

Supersedes : June 1995

Physical Properties

Not for specification purposes

Adhesive	2.0 thou (50 micron) #200MP Hi-Performance Acrylic
Carrier	0.5 thou (12.5 micron) Transparent Polyester
Adhesive	2.0 thou (50 micron) #200MP Hi-Performance Acrylic
Liner	4.0 thou (100 micron) 94g/m ² 58# Polycoated Kraft 4.1
Shelf Life	24 months from date of manufacture when stored in cartons at 70°F at 50% relative humidity.

Features:

- A thin polyester carrier provides improved handling with ease of die cutting and laminating compared to free film adhesives.
- #200MP Hi - Performance acrylic adhesive provides exceptional temperature and chemical resistance and withstands tough application environments.
- Moisture - stable liner provides easy removal and improves processing of parts.

Applications

- Ideal for graphic overlays, nameplates, appliqués and decorative trim.
- Excellent for foam lamination.

Properties and Performance

Properties defined are based on the adhesion of impervious faceplate materials to a stainless steel test surface.
(Not for specification purposes)

Temperature Range	#200MP adhesive has a temperature range of -40°C (-40°F) to 250°F (121°C) for days or weeks and to 300°F (149°C) for minutes or hours.
Chemical Resistance	Excellent solvent resistance when properly applied. The adhesive resists mild acids and alkalis, oil, gasoline, kerosene, JP-4 fuel and many other solvents. It is not recommended for total immersion.
Humidity Resistance	No adverse effect on the bond after exposure to 100% relative humidity at 100°F (38°C).

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Properties and Performance Contd...

U.V. Resistance	Adhesive is resistant to oxidation and ozone when exposed to air or ultraviolet light.
Bond Build Up	The bond strength of #200MP adhesive increases as a function of time and temperature.

Adhesion Properties Not for specification purposes

Initial Adhesion - Dynamic Peel 180° (ASTM D-3330, PSTC3)	
Stainless Steel	4.0 N/10mm

Processing

Die Cutting:

Good die-cuttability. Lubricate dies with vanishing oil or similar low residue lubricants for improved processing.

Roll Laminating:

Use rubber over steel roll set up with moderate application pressure. Make adhesive to substrate contact a nip area only.

Special Considerations

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact and thus improves bond strength.

To obtain adhesion, the bonding surfaces must be clean, dry, and smooth. Typical cleaning solvents are isopropyl alcohol or heptane. Consult solvent manufacturers Material Safety Data Sheet for proper handling and storage instructions.

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 readily adhere. However, once properly applied, low temperature holding is satisfactory.

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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 Group

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