



226 Black Polyethylene Masking Tape

Product Data Sheet

Updated : March 1996
Supersedes : October 1993

Product Description Black polyethylene coated crepe paper with rubber resin adhesive provides a tape with good transfer, solvent, temperature and weather resistance.

Physical Properties
Not for specification purposes

Adhesive Type	Rubber	
Backing	Polyethylene	
Thickness (ASTM D-3652)	254 µm	
Tape Colour	Black	
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 <small>ASTM D-3330</small>	3.3 N/10mm	
Tensile Strength <small>ASTM D-3759</small>	43.7 N/10mm	
Elongation at Break <small>ASTM D-3759</small>	10.0 %	
Temperature Range Maximum	90 °C	
Water Vapour Transmission Rate	5.425 g water/m ² /24hr.	
Water Penetration Rate	7.75 g water/m ² /24hr.	

Additional Product Information

The polyethylene backing of No. 226 is resistant to many solvents, water solutions and emulsions, and paint strippers of the wax-base type and the mild caustic solution solvent-emulsion type.

Excellent weathering properties up to three months on all surfaces except "Plexiglas" or other surfaces which transmit sunlight.

This tape construction should not be used for extended periods beyond 70°C.

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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.	surfaces must be clean dry and well unified. A typical surface cleaning solvent is isopropyl alcohol & water. Use proper safety precautions for handling solvents.	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.
	2. To obtain optimum adhesion, the bonding	3. Ideal tape application temperature range is 21°C to 38°C (70°F to 100°F).	

Applications	Outdoor protection of metal and painted surfaces up to a period of three months.	No. 226 is used for masking operations involving solvents, water solutions, and emulsions in the aircraft industry.	Hot air levelling.
	Sealing operations on plastic tarps, access holes in appliances, concrete encased duct work, etc.	Easily die-cut for sealing and masking operations.	

Features	Advantages	Benefits
Bakelised synthetic adhesive.	Instant adhesion with good holding power.	Less labour/reduces rework.
	Stain resistance.	Better product/less rework.
Black polyethylene backing.	Excellent solvent and moisture resistance.	Saves time and money through reduced clean up and rework.
	Weather, sunlight and UV resistance.	Clean removal after outdoor exposure.
Saturated crepe paper.	Reinforces, controls stretch and tear.	Saves time and money through better handling and performance.

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.

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