

3M™ Heat Tabbing Tape 5081

Technical Data Sheet



Description

3M™ Heat Tabbing Tape 5081 is a heat-bondable film that shows excellent adherence to silicone-coated, polyolefin release liner found on 3M™ Acrylic *Plus* Tapes. This ensures a reliable means of liner removal in a production environment. It has a matte finish on the exposed surface to enhance slip and handling characteristics.

Physical Properties and Typical Performance Characteristics

Color	Blue
Approximate Thickness	0.10 mm (0.004 in)
Tensile Strength, M.D. Break	36 N/cm width (20.3 lbf/in. width)
Elongation at Breakage, M.D. Break	320%
Area Factor	9.6 m ² /kg (6734 in ² /lb)
Suggested bonding conditions on automatic heat tabbing equipment (measured directly on heat plate)	150° – 170°C, 1-2 seconds, 40-55 N/cm ² (302° – 338°F, 1-2 seconds, 60-80 psi)

Shelf Life

36 months from date of manufacture when stored at 4°C–38°C (40°F–100°F) and 0–95% relative humidity (RH). The optimum storage conditions are 22°C (72°F) and 50% relative humidity.

Regulatory Information

To obtain published IMDS ID numbers, email requests to 3M-IMDSrequest@mmm.com. International Material Data System Information. IMDS# 7808839.

Contact Information

The information provided in this technical document is intended as a guide for this product. For more information or help in selecting a 3M product for an application, please contact your 3M technical service representative or call 1-800-328-1684.

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