

TECHNICAL BULLETIN

FILM SUPPORTED TAPE

PRODUCT:	5000M Double-Coated Polyester Film			
PRIMARY USE:	A general purpose rubber-based product designed to bond to a wide variety of polyurethane and polyethylene foams, felts and cork. A polyester carrier is added for dimensional stability and to ensure good die cutting properties. Also useful in splicing and general purpose bonding applications.			
DESCRIPTION:	1.4 mil of a high tack rubber based adhesive coated to the exposed side of ½ mil polyester film. The rubber-based liner side adhesive exhibits high adhesion and is designed for general purpose applications.			
LINER:	Available on 74# white poly-coated Kraft, 80# white Densified Kraft and 12-point board.			
TYPICAL PHYSICAL PROPERTIES	Thickness	Carrier	0.5 mils	
		Adhesive Exposed Side	1.4 mils	
		Adhesive Liner Side (nominal)	1.3 mils	
		74# Release Liner (nominal)	5.5 mils	
		80# Release Liner (nominal)	4.5 mils	
		12pt Board Liner (nominal)	11.3 mils	
	Peel Adhesion	PSTC #101; backed with 1 mil polyester <i>24 Hour Dwell:</i>		
		Exposed Side		145 oz/inch
		Liner Side		125 oz/inch
		PSTC #101; backed with 2 mil dead soft aluminum foil <i>24 Hour Dwell:</i>		
		Exposed Side		230 oz/inch
		Liner Side....		220 oz/inch
	Shear Adhesion	PSTC #107; Modified, 1000 gm/sq. in. @ 72° F I, ½" x ½" x 1000gm, at 72°F <i>No Dwell:</i>		
		Exposed Side		24+ Hours
		Liner Side		24+ Hours

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TECHNICAL BULLETIN

5000M Double-Coated Polyester Film

GENERAL USE:	Works well against a wide variety of gasket materials. This product is widely accepted for use against many materials that find their way into durable and hard goods as gaskets, insulation, light shields, and sound dampeners. Also used extensively against urethane in weather-stripping applications.
PRODUCT FEATURES:	<ul style="list-style-type: none"> • Bonds well to urethane and polyethylene foams, felt, cork, abrasive materials, rubber and sponge. • Die cuts cleanly. • 5000M available in 54" and 60" widths in 80# and 12pt. liner options.
SERVICE TEMPERATURE:	<p>30°F to 150°F</p> <p>NOTE: This information is provided as a means to help characterize the adhesive's temperature resistance. Note that this data is based on limited testing and under no load. The practical service temperature of this or any adhesive system is dependent on many variables including the substrates being bonded, environmental conditions, and the loading and method of application. The purchaser is responsible for determining the suitability of this or any product for their particular purpose and process. The recommended application temperature is 68°F to 100°F.</p>
NOTES:	The use of heat and pressure will help to increase the initial bond of the product to the substrate. Testing is recommended prior to laminating to any material that contains migrating plasticizers.
RELATED ADCHEM PRODUCTS:	<p>Other double-coated rubber products include:</p> <p>2237M - Heavier caliper version of 3175.</p> <p>5008B – Aggressive heat resistant solvent based system.</p> <p>262C – Crepe paper carrier for conformability and tear ability.</p> <p>262T – Tissue carrier for conformability and tear ability.</p>
SHELF LIFE:	One year from date of shipment when stored under cool, dry conditions.

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