

TECHNICAL BULLETIN

FILM SUPPORTED TAPE

PRODUCT:	6849M Double-Coated Polyester Film			
PRIMARY USE:	Ideally suited for splicing paper, films and foils and for bonding to Tyvec® and polyesters used in sterilization bags and pouches. 6849M is also used in other general bonding applications such as clear vinyl corner covers for wallpaper. Performs well over a wide temperature range.			
DESCRIPTION:	A ½ mil polyester film coated on both sides with a high tack, moderate shear acrylic adhesive system that exhibits good temperature resistance.			
LINER:	55# white Densified Kraft			
TYPICAL PHYSICAL PROPERTIES:	Thickness	Carrier	0.5 mils	
		Adhesive Exposed Side	1.1 mils	
		Adhesive Liner Side (nominal)	1.1 mils	
		Liner (nominal)	3.2 mils	
	Peel Adhesion	PSTC #101; backed with 1 mil polyester		
		Exposed Side		40 oz./inch
		Liner Side		40 oz/inch
		PSTC #101; backed with 4 mil dead soft aluminum foil		
		Exposed Side		64 oz/inch
		Liner Side		64 oz/inch
	NOTE: Peel tests are performed as per PSTC #101, which states one minute maximum dwell time. In general, for acrylic adhesives, longer residence time yields much higher peel values.			
	Shear Adhesion	PSTC #107; 1000 gm/sq. in. @ 72° F. <i>No Dwell:</i>		
		Exposed Side		7+ Days
		Liner Side		7+ Days
		PSTC #107; 1000 gm/sq. in. @ 150°F <i>No Dwell:</i>		
		Exposed Side		1+ Hours
		Liner Side		1+ Hours
		PSTC #107; 500 gm/sq. in @ 150° F <i>No Dwell:</i>		
		Exposed Side		24+ Hours
		Liner Side		24+ Hours
Paper to paper shear adhesion; 1000 gm/sq. in @ 250°F <i>No Dwell:</i>				
			2+ Hours	

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6849M Double-Coated Polyester Film

PRODUCT FEATURES:	<ul style="list-style-type: none"> • Good shear and heat resistance. • Performs well over wide temperature range. • Bonds well to a variety of substrates for splicing. • Standard 60" width.
SERVICE TEMPERATURE:	<p>-30°F to 220°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:	<p>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. Surfaces to be laminated to should be clean, dry, and free from grease and oil.</p>
RELATED ADCHEM PRODUCTS:	<p>254M Double-Coated Acrylic Tapes. 353M Double-Coated Acrylic Tapes.</p>
SHELF LIFE:	<p>One year from date of shipment when stored under cool, dry conditions.</p>

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