

**Product Data Sheet**

**Preliminary: ES 1421 Yellow - 2M PET BATTERY INSULATION TAPE**

**Spec#: MFR5156-7 DURABLE**



<b>Facestock</b>	<b>Facestock physical properties</b>					
2.0 mil Clear Biaxially Oriented Polyethylene Terephthalate (BOPET)		<b>Imperial Value</b>	<b>Units</b>	<b>Metric Value</b>	<b>Units</b>	
	<b>Caliper:</b> ASTM D1000	.002	inches	50.8	micron	
	<b>Elongation to Break</b>	MD	130	%		
		CD	100	%		

<b>Adhesive</b>	<b>Adhesive physical properties</b>					
Yellow pigmented acrylic adhesive		<b>Imperial Value</b>	<b>Units</b>	<b>Metric Value</b>	<b>Units</b>	
	<b>Type:</b>	Emulsion Acrylic				
	<b>Caliper:</b> ASTM D1000	0.00125	inches	32	micron	
	Dynamic Shear:	128	psi	0.88	MPa	
	Minimum Appl Temp:	32	F	0	C	
	Typical Service Temp Range:	Min	0	F	-17	C
		Max	180	F	82	C
Loop Tack Stainless Steel: PSTC11	38	oz/in	42	N/100mm		

<b>Release:</b>		<b>Total Construction Caliper Without Liner</b>
TMLI 90° Peel at 12ipm (304.8mm per minute)		(approximate)
<b>Rate of Removal</b>	<b>Grams/2" Width</b>	
12 ipm (304.8mm per minute)	30	0.00325 inches

## Features and Benefits

- Clear face stock with Yellow adhesive for application indication and aesthetic requirements
- Acrylic adhesive with excellent aging resistance and shear strength
- 2M PET facestock provides electrical insulation (>10 kV AC Breakdown Voltage)
- Made in US for Inflation Reduction Act compliance and local North American cell production

## Applications and Uses

- This product is intended as electrical insulation for prismatic and cylindrical cell wrapping for energy storage and electric vehicles.

## Optimal Storage Conditions

- Unless otherwise specified in this document, ideally store at 72F (23C) and 50% RH

### Note:

The technical data presented is from tests we believe to be reliable but should be considered representative or typical only and should not be used for specifications purposes. This product should be tested thoroughly under end-use conditions to ensure it meets the requirements of the specific application.

The information on compliance conditions, substrates, and printing products contained in the tables above represent a summary of recognized or acceptable conditions and printing products. Other conditions, substrates, and printing products may be recognized with this material. Please consult the specific compliance organization records or specific files for a complete listing.

### Warranty

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