

Product Data Sheet

Preliminary: ES 1421 Blue - 2M PET BATTERY INSULATION TAPE

Spec#: MFR5156-6 DURABLE



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

Adhesive	Adhesive physical properties					
Blue pigmented acrylic adhesive		Imperial Value	Units	Metric Value	Units	
	Type:	Emulsion Acrylic				
	Caliper: 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		

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

Features and Benefits

- Clear face stock with Blue adhesive for application indication and aesthetic requirements
- Acrylic adhesive with excellent aging resistance and shear strength
- 2M PET facestock provides electrical insulation (>8 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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