PERFORMANCE GUIDE

www.Mactac.com

LTCALPET738
1.9 mil Aluminum + PET / PAT1 / 4.6mil PCK

Created 07/2025 KA

Description		Applications and End Uses
Product	LTCALPET738 – Aluminum foil laminated with clear polyester and coated with a durable and aggressive permanent acrylic adhesive and 57# Ivory PCK liner.	Reinforced aluminum tape.

Face

Aluminum foil laminated with clear polyester. Features high strength, conformability, and dimensional stability.

Physical Properties without Adhesive

Caliper, inches	0.0019 (1.9 mils)	ASTM D-2103

Adhesive

PAT1 is a high performance, permanent acrylic adhesive with excellent ultimate adhesion and mandrel hold. It is extremely chemical and solvent resistant and has very good adhesion to various high and low energy substrates.

Physical Properties of Adhesive

Thickness, inches	0.0007 +/- 10%	
180° Peel Adhesion, lbs./in.	Stainless Steel: 2.7	CTM-8 (30 min. applied) Reference: PSTC-101A
Temperature Ranges		
Minimum Application	+39°F (4°C)	CTM #45 Curwood Polyester Film Dry Surface
Service Ranges	-40°F to +212°F (-40°C to +100°C)	

Liner

A 57# ivory kraft liner, one side is polyethylene laminated. Excellent for die cutting and stripping. The liner is coated with a release system designed for lay-flat application.

Caliper, inches	0.0046+/- 10%	TAPPI T-411
Basis Weight, lbs. (24” x 36”/500 sheets)	57 +/- 10%	TAPPI T-410

Shelf Life

Product retains its performance and properties for one year from date of manufacture when stored at 72° F and 50% relative humidity.

IMPORTANT NOTICE: The information given and the recommendations made herein are based on our research and are believed to be accurate, but no guarantee of their accuracy or completeness is made. In every case, user shall determine before using any product in full scale production, or in any way, whether such product is suitable for user's intended use for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose, or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, and no statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by the officers of seller and manufacturer. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. The following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

™ Trademark of Morgan Adhesives Company.
® Registered Trademark of Morgan Adhesives Company.
Tide® Registered Trademark of the Procter & Gamble Company
409® Registered Trademark of the Clorox Company

mactac®