



Adhesive Data Sheet

EP-16 Permanent

General Description: EP-16 Permanent is an acrylic pressure sensitive adhesive engineered to provide excellent optical clarity, UV resistance, low temperature adhesion, and water/humidity resistance in many general purpose film applications. It provides a moderate level of tack while resisting edge ooze, providing exceptionally clean die cutting and matrix stripping. It maintains clarity in hot and humid environments, and is suitable for applications with exposure to high temperature processes.

Adhesion

Substrate	Loop Tack ¹	Shear ²	Peel Adhesion ³
Stainless Steel	2.0 lbs	>5 hours	4.1 lbs

Usage

Application Temperature Minimum:	+25° F (-4° C)
Service Temperature:	-40°F to +300°F (-40°C to +148°C) subject to face stock limitations
FDA Compliance:	Complies with the Code of Federal Regulations, Title 21, Section 175.105 ⁴

Environment

Moisture & Humidity Resistance:	Excellent
Sunlight & Weather Resistance:	Excellent
Heat Resistance:	Good
Solution pH:	Neutral
Chemical Resistance:	Acids: Good Alkalis: Good Oils: Excellent

Notes:

1. TLMI-LIB 1, 2 mil polyester face stock, 1 mil of adhesive
2. ASTM-D-3654, PSTC-7, 2 mil polyester face stock, 1 mil of adhesive, ½" x ½" with 500 gm static load
3. ASTM D-3330, PSTC-1, 2 mil polyester face stock, 1 mil of adhesive
4. Compliance with 21 CFR 175.105 permits the use of this adhesive in applications for which the adhesive either (a) is separated from the food by a functional barrier, which will prevent the migration of any of the adhesive components to the food, or (b) has incidental contact with food limited to the trace amount at the seams or the edges of the label.

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